

2026 International Conference on Smart Futuristic Technology

**Bengalore, India
2-3 January 2026**

Pages 1–697

IEEE Catalog Number: CFP260U7-POD
ISBN: 979-8-3503-5708-0



Copyright © 2026, IEEE

All Rights Reserved

Copyright and Reprint Permissions:

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number:	CFP260U7-POD
ISBN (Print-On-Demand):	979-8-3503-5708-0
ISBN (Online):	979-8-3503-5707-3

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA

Phone:	(845) 758-0400
Fax:	(845) 758-2633
E-mail:	curran@proceedings.com
Web:	www.proceedings.com

TABLE OF CONTENTS

A Co-Simulation Framework for Integrated Powertrain Modeling Using Predictive Control Algorithms in 48 V xEV Systems	1
<i>Sreedhar Reddy Aemalla, Subbarao Mopidevi</i>	
VERA: A Blockchain-Backed, Auditable ML–Human Framework for News Verification and Misinformation Mitigation	6
<i>Prabin Devkota, Aayush Mainali, Riway Adhikari, Sudha Yadav</i>	
AI-Driven Real Time Crime Detection And Response System	12
<i>Niketha M, Vidyasri D, Mahalakshmi K</i>	
Agent Mode: A Minimalist, Machine-Readable Web Protocol for Enhancing AI Agent Efficiency and Search Engine Optimization	19
<i>Ashirvad Singh, Arnod Mukhopadhyay, Madan Lal Saini, Amarnath Kumar, Sourav Kumar Verma</i>	
Advancements in AI-Based Techniques for Intelligent Plant Disease Detection	26
<i>Divya K S, Neetha K Nataraj, Malavika E A, Elizabeth Varghese, Malavika J, Keerthana Santhosh</i>	
Cutting Edge Pollution Reduction and Control Technologies	32
<i>Ashish Sharma, Mansha Madan, Rinku Garg</i>	
Deep Learning based Dysarthric Speech Recognition using Spectral, Temporal, and Phonetic Acoustic Features	38
<i>Namita Kure, Somnath Dhonde</i>	
Machine Learning Framework for Early Detection of Suicidal Ideation on Social Media	43
<i>Yadav Pranathi Sai, Satti Surya Sai Shanmukha Reddy, P.J.Beslin Pajila</i>	
Safeguard AI : AI-Powered Gesture Recognition System for Women Safety	49
<i>Thiyaneshwar S, Varshini R A, Balakrishnan D, Dr.C Rajan</i>	
Auditable Drag and Drop AI Pipelines: OCR LLM Composition with Rubric Scoring, HITL, and Provenance First MLOps	55
<i>K Ravishankar, Mithran M. V., B. K. Prethika</i>	
Optimizing Cross-Domain Assurance: A Signaling Approach to Reduce Accreditation Costs	60
<i>Imran Ali Mohammed</i>	
Hybrid YOLO Feature Extraction with RF–AdaBoost Classifier for Accurate Breast Tumor Detection	66
<i>Peramalasetty Ramesh, Suneetha Rikhari, Jayaram Boga, Seeniappan Kaliappan</i>	
Optimized Diabetes Prediction Using a Combined Random Forest–AdaBoost Classifier	72
<i>Pulivarthi Bindumadhavi, Selvanathan N, S J Vivekanandan, Seeniappan Kaliappan</i>	
Optimized Weed Detection in Spinach Crops Using Deep Feature Extraction and RF–AdaBoost	78
<i>Boyapati Bharathi, M.Sofia, Macha Sarada, Seeniappan Kaliappan</i>	
Machine Learning-Based Predictive Maintenance for Electric Vehicles	83
<i>Ritu Gupta, Lalit Kumar, Anil Kumar Lamba, Parul, Preeti Rana</i>	
Hybrid Framework-Based Intrusion Detection and Prevention Model for Securing IIoT Environments	90
<i>Udhayakumar N, Kannan Ramakrishnan, Ramesh M</i>	

Smart and Affordable Battery Monitoring Using ESP8266, secured by AWS and Powered with Blockchain Integration	96
<i>Lingesh Kumar G S, Kannan Ramakrishnan, M.Mohamed Munavar Hussain</i>	
Advanced Battery Management System Architecture for Hydrogen Fuel Cell Vehicles: A Comprehensive Multi-Domain Control Framework	102
<i>Tarun Subramanian, Vishnuvarthan L, Shreevarshini S D</i>	
Development of an IoT-Based Real-Time Weather Station for Environmental Monitoring	108
<i>Arnav Kulkarni, Rohan Raju, Atharva Deshpande, Pravin Gawande, Shailesh Kulkarni</i>	
Fraud-Resilient Banking Through Hybrid Artificial Intelligence and Zero-Knowledge Proofs	114
<i>Prem Anand Rathina Sabapathy</i>	
Open Ring Resonator based Dual Band-Pass Filter with a Vertical Stub For Application in Wireless Systems	120
<i>Jyoti Ranjan Panda, Sandeep Kumar Dash, Bikash Kumar Behera, Satya Narayan Mishra Buddapi Nageswara Rao</i>	
Unveiling Hidden Biases in Numerical Weather Prediction based on Machine Learning Models	124
<i>Premananda Sahu, Mohit Arora, Abrar Ahmed Raza, Bhupinder Singh, Kawerinder Singh Sidhu Santosh Kumar</i>	
Mathematical Framework for Measuring and Enhancing Cybersecurity Awareness Against Phishing Attacks	130
<i>Susheelamma K. H, Vinutha S. V, Pradeep Kumar G. M, Purushotham P, Jagadish N</i>	
Analysis of Machine Learning Algorithms for Electrical Fault Detection in Photovoltaic Panels	136
<i>Karuna Gangaram Choudhari, Saba Fatima</i>	
An Context-Aware Simultaneous Translation for the Classroom Using an Adaptive Terminology-Guided Approach	141
<i>Karthikeyan K, Tamil Azhagi V, Gokulnath M</i>	
ArogyaGPT: An AI-Based Healthcare Chatbot for Safe Medical Guidance	147
<i>Aditya Diwakar, Vaishnavi Dike, Esha Gaikwad, Pranay Dighe, Veena Kadam, Sandeep Kadam</i>	
Quantum-Resistant Decentralized File Sharing Platform With Zero-Knowledge Access Control	153
<i>R. Pavithra, S. Shine Sweety, C. Nallusamy</i>	
Blockchain-Based Digital Identity System for Refugees: A Scalable, Privacy-Preserving, and Interoperable Solution	159
<i>Surendra Kumar Shukla, Vishan Kumar Gupta, Paras Jain, Subodh Mishra, Vikas Tyagi, Ayush Choukse</i>	
Design Hybrid System for Secure Cloud Storage based on Advanced Homomorphic Encryption	164
<i>Gireesh Kambala</i>	
KrishnaVani: Transformer-Based Conversational AI Trained on the Bhagavad Gita for Spiritual Dialogue Generation	170
<i>Shubh Rastogi, Jai Batra, Madhumita Mandal, Prashant Srivastava, Gurpreet Kaur, Vinayak Majhi Sujata Pandey</i>	
Medigreen: AI-Driven Medicinal Plant Discovery and Herbal Medicine Guidance	176
<i>N Kamal, Malathi S, Mohammed Jamalluddin M, K E Mohamdhas, Sugumar V, Sandeep S</i>	

Dual Detection of Fire and Smoke in Forest Using Deep Learning	182
<i>R. Pari, M. Swarna, D. Nivetha, P. Amareshwaran</i>	
Smart Expiry Based Cloud File Storage System	187
<i>Sakshi Chaudhari, Dnyaneshwari Vanjari, Rutuja Mane, Santosh Patil, Supriya Tambe</i>	
Serpent-ID: A Deep Learning-Based Mobile Application for Rapid Snake Identification and Bite Management Guidance	190
<i>Bharath B, Santosh M, Chethan K S, Sudharsan V, G Santosh, Gaurav Kumar</i>	
Spatio-Temporal Diffusion Modeling for Cloud Motion Prediction Using INSAT-3DR Multi- Spectral Imagery	195
<i>Sagar Rajebhosale, Tushar Surwade, Shruti Doiphode, Snehal Akolkar, Himanshu Goyal, Aniket Shirsath</i>	
Intelligent Assessment of Rehabilitation Outcomes in Substance Abuse Patients using Advanced Machine Learning Algorithms	201
<i>Sanapalle Prasanna, Pandurangaraju B., Angadi Sirisha, Shaik Sana, Pallapa Venkatasunil Utukuru Vijay Kumar</i>	
Privacy-Preserving Learning Approaches in 6G Networks: Benefits and Challenges	207
<i>M. Joshna, N. Swathi, C. Pranusha, B. Subramanyam, D. Rithesh, V. Raveendranath</i>	
Leveraging Feature Selection and Deep Learning for Robust Phishing Website Classification	212
<i>Swarna Surekha, Pujari Mohan Kumar, Maraka Meghana, Bellala Jayalakshmi, N G Dileep Kumar Shaik Mohammad Muttahar</i>	
Kidney Tumor Detection in CT Scans: Combining 3D CNN and Transformer Networks	220
<i>B. Venkatesu Goud, P. Phanindra Kumar Reddy, P. Sai Varshitha, T. Sruthi, N. Lakshmi Narayana Reddy K. Harsha Vardhan Reddy</i>	
RefactorCrew: A Multi-Agent System for Synchronized Code Refactoring and Documentation	226
<i>Saket Shembekar, Jyoti Survase, Swati Gaikwad, Karan Sukhadiya, Manjiri Raut, Tejal Rane</i>	
Conversational Image Recognition Chatbot using YOLOv12	232
<i>Jagruti D Waje, Tanavi Gaikwad, Sunita Barve, Diptee Chikmurge</i>	
Multimodal Video Summarization and Neural Machine Translation Framework for Indian Regional Languages	242
<i>S. Firoz Begum, M. Praveen Kumar, S. Vishnu Vardhan, P. Visweswar Reddy, B. Nityananda Reddy N. Santhosh Reddy</i>	
Corrupt Watch: An AI-Blockchain Integrated Framework for Transparent Civic Grievance Redressal	248
<i>Kishan S S, Mohith S, Keerthan G V, Vishwajeet S, Ravikumar G K, Chandini A G</i>	
Binary Classification of Three-Dimensional (3-D) Objects by Means of Phase-Only Digital Holographic Information using Deep Learning	254
<i>Uma Mahesh R N, Vinodkumar P</i>	
Enhanced Skin Cancer Detection and Classification Using Generative Adversarial Networks and Deep Learning Approaches	259
<i>K. Varalakshmi, A. Revathi</i>	
Benchmarking DeepSeek R1-MoDCE: A Contrastive Pretraining Approach for Language Models	265
<i>Kasilingam N, Theja Suryachar P J, Abhishek Koli, Sujal S Habalkar, M B Thimmaraju</i>	

A Comprehensive Survey on Paraphrase Identification Using Deep Learning Techniques	270
<i>D Sai Shireesha, Pandurangaraju B, G Naga Harshitha, G Vedavathi, B Naga Tharun Kumar N Venkata Subbaiah</i>	
Automated Brain Tumor Detection and Classification from Mri Scans Using Deep Learning	275
<i>Swarna Surekha, Jagadala Varsha, Mukka Vishnuvardhan Reddy, Konatam Sai Krishna, Bachu Sai Kushal Vommi Vani Chowdeswari</i>	
Intelligent Policy Analyzer for Privacy and Legal Documents Using Machine Learning and Intelligent System	281
<i>R Akiladevi, Anand S, Barathraj V L</i>	
Hybrid CNN–Random Forest Framework for Automated Cricket Shot Classification	288
<i>Konda Hari Krishna, Shraddha Kaparwan, Premananda Sahu, Sudeep Varshney, Manisha Verma Ahmad Alkhayyat</i>	
Innovative Disease Detection in Sunflower Leaves: Integrating CNNs and SVMs	294
<i>Misha Mittal, Saumitra Chattopadhyay, Premananda Sahu, Sudeep Varshney, Manisha Verma Ahmad Alkhayyat</i>	
Deep Learning in Motion: A CNN-LSTM Approach for Indian Classical Dance Recognition	300
<i>Konda Hari Krishna, Saumitra Chattopadhyay, Premananda Sahu, Sudeep Varshney, Manisha Verma Ahmad Alkhayyat</i>	
Optimization of Electric Bus Fleet Size in Urban Public Transport: A Comprehensive Review	306
<i>Abhishek Chauhan, Amardeep Singh, Paurav Goel</i>	
A Reconfigurable IEEE-754 FP32 Fused Multiply Accumulate Architecture with Hybrid Multiplier and Prefix Adder Optimization	312
<i>Krishnananda K R, Subramanya G. Nayak</i>	
AI-Powered Smart Industrial Automation: Integrating IIoT and Cognitive Systems for Predictive Process Optimization	317
<i>M. Ravichandran, Raja Govindan, A. Rajalingam, Thaer Ahmad Abu-Saleem, Manish Gupta G. Karthikeyan</i>	
Enhancing Artificial Intelligence in Healthcare, Finance and Smart City Infrastructure: Development with Privacy Preservation using Blockchain-Enabled Federated Learning Frameworks	323
<i>Shobana D, M S Maharajan, V. Parimala, Zakaria Azzam, Ginni Nijhawan, M. Dinesh</i>	
Perfect Eye Makeup by AI: Style Based on Your Eye Shape	329
<i>M.Soundarya, M.Praseetha, Poorna Devi K G</i>	
Performance Analysis of Xorshift & Mersenne Twister PRNGs with Java and Python	335
<i>Omar Khan Durrani, Shadab Ahmed, Syeda Rahath Rabbani, Thanmayi P Gowda, Faraz Akram Ashwini T Gadad</i>	
Machine Learning with Hybrid Quantum-Classical Approaches: Exploring the Limits of Quantum Computing in Artificial Intelligence	343
<i>Mosses A, Abdelhalim Mohammad Jubran, Sorabh Lakhanpal, R. Babitha Lincy, Veena K, Guma Ali</i>	
Sustainable Agriculture for Crop Prediction Using Deep Learning Parameter	349
<i>Sankara Rao Allada, Divya Sarabudla, K. Kishore Kumar, Banoth. Janaki, Chitri Rami Naidu, Amit Gupta</i>	

Deep Learning Approach with UAV and Satellite Imagery using 5G Technology in Flood Area Segmentation in Disaster Management	355
<i>Chandradeep Bhatt, Movva Pavani, S. Sathish Kumar, B. Amarnadh Reddy, Parveen Badoni, Amit Gupta</i>	
Planar Sinuous Antenna Operating in the Wide Band Frequency Range	361
<i>Sankara Rao Allada, J. Kartigeyan, Surendra Loya, D.Saraswathi, Kolli Venkatrao, Amit Gupta</i>	
Smart Mobile Phone Malware Detection with KELM Model	367
<i>Chandradeep Bhatt, Noor Mohd, Sankara Rao Allada, K. Kishore Kumar, Santosh Kumar Vududala Amit Gupta</i>	
Image Segmentation Used Different Machine and Deep Learning Technology for Breast Cancer Diagnosis	374
<i>Chandradeep Bhatt, Noor Mohd, Sankara Rao Allada, Chunchula Sree Deepak, Chitri Rami Naidu Amit Gupta</i>	
Quantum-Resistant Two-Party Integrity Framework for Secure Cloud Storage of Medical Videos	381
<i>M. Lakshmanan, Nilesh Ashtankar, Joshuva Arockia Dhanraj, Sriramkumar R, R. Tamilamuthan Shreyas Rajendra Hole</i>	
Early Detection of Cystic Fibrosis Using Multimodal Deep Learning on Chest X-ray and Genetic Data	387
<i>Saravanan. M. S, Siva Rama Krishna Prasad</i>	
Digital Identity and Relationship Legality: A Framework for Civil Registration Using Blockchain	392
<i>Vishal Chaudhary, Neelam Upadhyay, Bhupnesh Kumar, Siddharth Thapliyal, Jageshwar Nath Singh Sandeep Kumar</i>	
Smart Pilgrimage: Integrating IoT and AI for Crowd Management in Chardham Yatra	398
<i>Mayank Mamgain, Neelam Upadhyay, Bhupnesh Kumar, Siddharth Thapliyal, Jageshwar Nath Singh Sandeep Kumar</i>	
Integrating LSTM Forecasting with NLP Chatbots for Fair Agricultural Markets	404
<i>G. Jijendhar, R. Dhanush, C. Nallusamy</i>	
Deep Learning-Based Automated Egg Quality Inspection Using EfficientNet-B4 and Grad CAM	409
<i>Gobinath G, Abishek A, Arulmurugan S</i>	
A Novel FOPI-Controlled Energy Management Framework for DC Microgrids with Integrated EV Fast Charging Infrastructure	415
<i>Kartik Mallick, D.Krishna</i>	
Environmental Data Modeling for Urban Heat Risk and Microclimate Control	421
<i>Aaqil Yousuf P, Asber Usman R, Gunavathie M A</i>	
Heart Disease Prediction Using Machine Learning with a Focus on Hybrid Preprocessing Framework (HP-Clean)	425
<i>Rais F. Shaikh, Avinash Sharma</i>	
Securing Organization and Employees: AI-Powered Cyber Security System for Malware Defense System	429
<i>Venkateswaran Radhakrishnan, S. Baghavathi Priya, B. Buvaneswari, Theetchenya S, Hamid Jadad Chithik Raja Mohamed</i>	
FPGA Implementation of QPSK Modulation Technique for Wireless Communication	434
<i>Smitha N, Soumya Prasad, Divya Jyothi S, Manushree Naik, Spoorthy Nagaraja Hegde</i>	

Implementation of ML based Routing Algorithms for 5G Wireless Networks Architectures	440
<i>Kandala Kalyana Srinivas, K Jyostna, Chevella Anil Kumar, G Varshini, D Karthik, G L V Ramakrishna</i>	
Auto App Generator: AI-Powered Platform for Automatic Code and Application Development With Natural Language	446
<i>SK Sardhar Meia, L. Rajitha, Muntha Raju, Peddolla Harika, Pogula Sandeep, Ramagiri Sukumar</i>	
SANJEEVA.AI: An AI-Powered Multi-Platform Healthcare Management System for Clinical Decision Support and Patient Care	453
<i>R. Mari Selvan, Sheik Sham Raj, Padavala Bhargav Kumar, Pynamudi Bhavan Sai, Thulasi Thanuja</i>	
LegalAI: Automated Legal Document Analysis Platform	461
<i>Saurabh Mulik, Prathamesh Chvan Patil, Amey Kalsapnavar, Rudra Shete, Riddhi Mirajkar, Priya Jamdade</i>	
A Hybrid CNN–LSTM Attention Model for AI-Driven Cardiovascular Disease Detection Using Advanced ECG Signal Processing	468
<i>Murtuza Ali Mohammed, Deepak Wahane, Tapankumar A. Kakani, Ketan Gupta, Nasmin Jiواني Usha Gupta</i>	
Comparison of Analytical Method and AI Based Method to Estimate Frequency Nadir / Frequency Zenith	474
<i>Megha Fernandes, Bindu S.</i>	
A Novel Hybrid GWO-FIS: An Optimized Fuzzy Inference System Tuned by Grey Wolf Optimizer for Real-Time Intruder Risk Assessment in Video Surveillance	480
<i>Parupkar Singh, Law Kumar Singh, Vishan Kumar Gupta, Tushar Yadav</i>	
Classroom Allocation and Attendance Portal: A Web-Based Solution for Educational Resource Management	486
<i>Ajay Sudhir Bale, Adinarayana T V S, C S Yashwanth Kumar, Somshekar, Yoga Chandru S Mamta B Savadatti, Omkar K Kanetkar</i>	
Beyond Data: A Privacy-Preserving IoT Framework for Personalized and Behavior-Based Health Interventions	490
<i>Mohd Adnan, Pooja Devi, Rakesh Kumar, Nagendar Yamsani, Harsh Awashti</i>	
Cost-Effective Precision Aquaculture through Embedded Intelligence: Inferring Oxygen Levels and Automated Viability Classification Utilizing Low-Cost Sensors and Edge-Deployed Machine Learning	494
<i>K. Kishore Kumar, Nangu Bhupathi Reddy, Mudunuri Kiran Nagendra Varma, Manivannan D Ravikumar S, Durai S</i>	
Audio Transmission Using Free Space Optical Communication	502
<i>Selvi. M, Rupesh. J, Kameshwari. M</i>	
Enhanced Stress Detection Using Heart Rate Variability: A Hybrid Deep Learning and Machine Learning Approach	507
<i>Monisha R, Pranavi J, Ananthi S</i>	
FIR Filter Implementation in XilinxISE for Radar Signal Processing	512
<i>Smitha N, Manjula Vasant Kiresur, Shreya M, Shreeja, Shreya V, Neha S M</i>	
Biomedical Monitoring Utilizing the Industrial Internet of Things: Predictive Analytics and Real-Time Patient Vital Sign Monitoring for Customized Healthcare Systems	516
<i>Naregalkar Akshaykumar Rangnath, R.K Jeyauthmigha, M. Rajasekaran, Sivakumar Kaliyappan Pradeep G, G. Karthikeyan</i>	

Hospo: An AI-Powered Telemedicine and Healthcare Automation System	522
<i>R. Mari Selvan, Chekuri K V Krishna Sri Varma, Inturi Lakshmi Poojitha, T. Suvignesh, E. Sujitha</i>	
Smart Parking System with Competition-Aware Reservation and Optimization	527
<i>Kavyashree K R, Amulya M G, Ankita A Y, M. Gayathri Devi, Mahima V</i>	
Real-Time Hand Gesture Recognition for Instrumental Sound Control: A LabVIEW–Python Integrated Framework	533
<i>Amarapu Niranjana, Sreejith P, Devadathan P R, Adithya A, Viswas Sadasivan, Ragesh Rajan M</i>	
AI-Powered Finance Management Platform	539
<i>Deepthi C G, Jithesh J Shetty, I B Shreeya Jain, Lakshmi C R, Kiran Kumar D R</i>	
A Multi-Step Machine Learning Approach for Fake News Identification and Sentiment Analysis	544
<i>AdiAndhra Lakshmi Praneeth, Dhodda Chenchu Reddy, M. Kalaimani</i>	
Connecting Talent with Opportunity: Design and Implementation of an Integrated Alumni Job Portal	550
<i>Susheelamma K H, Nivedita V S, Aditya Narayan, Amit Tiwari, Asif Mulla</i>	
Deployment Edge: Unified Orchestration for Atomic Full-Stack Delivery	555
<i>Shubhajit Mandal, Utkarsh Saraswat, Shwetha G. S., Shashank MS, Sukruth M, Shivakumar B R</i>	
LearnSign: AI-Powered Real-Time Indian Sign Language Learning Platform for Children Aged 1–15 Using MediaPipe and LSTM	561
<i>Amith K M, Prajwal K, Adarsh K R, Bindu B N</i>	
Are Current Battery Electric Bus Charging and Scheduling Strategies Ready for Future Smart Mobility Demands in Public Transport Systems?	567
<i>Ankit Kumar, Vijay Mohan Shrima, Jagpreet Singh</i>	
AI-Driven Adaptive DDoS Mitigation in Cloud Security: A System Implementation Using GNN and Reinforcement Learning	573
<i>Rajani K C, Kamaakshi Kapoor, Aneesha Mishra, Shivangi Singh, Vaibhav Kumar</i>	
NIVI-AI: An Agentic Prenatal System for Continuous, Verifiable, and Accountable Obstetric Care	577
<i>Chinmaya Naik, Abhinav Navneet, Praveen Kumar Dhankar, Pranay Deepak Saraf</i>	
An Efficient Deep Learning Model for Helmet Detection in Real-World Scenarios	582
<i>Suman, Adithya G, Arvind G, G Raviteja, Goutham R</i>	
Blockchain Driven Supply Security	588
<i>Nitin Kumar Thakur, Avinash Maurya, Varun Kumar, Parma Nand, Rani Astya</i>	
Machine Learning Models for Emotion Prediction Using Eye-Gaze Features	594
<i>Sharon Zachariah, Harshitha P G, Shreya Paul, Vishaka Biju, Meenakshi Malhotra, Deepshik Sharma Arun Sasidharan</i>	
Blockchain-Enabled Geo-Tagged Traceability for Ayurveda Herbs: Ensuring Authenticity from Collection to Formulation	599
<i>Nandini K, Sharanu Mitta, Yashas Goutham, Yashwanth N, Kavyashree I Pattan, Arjun Krishnamurthy</i>	
A Hybrid SMOTE–ENN and CoyWolfOpt Feature Selection Approach for Robust Telecom Churn Classification	607
<i>V. Usha, Pyatla Jathin Kumar Reddy, Darshanam Hima Srikanth</i>	

RP-OCNN: A Hybrid Squeeze-Excitation Residual Network for Fine-Grained Rose Petal Condition Classification	613
<i>Devashri Kapse, Mahek Mehta, Arya Sabale, Sonal Fatangare, Gitanjali Shinde, Grishma Bobhate Deepali Lokare</i>	
Cryptbox 2.0: A Secure Client-Side Encrypted File Storage and Sharing Framework	620
<i>Krishna Varma, Bharath Teja, Sreeraag G</i>	
EUREKA: Enhanced User Real-Time Environmental Knowledge Assistance	626
<i>Penmesta Vasanth Kumar Varma, Adithya Hegde Kota, Bondada Lakshmi Venkata Sai Pardhasaradhi Honey Gyani, Manazhy Rashmi, Swathy M</i>	
Adversarial Attack & Defense on Image-Based CAPTCHA	630
<i>Esha Sharma, Yashmitha Desai, Shreya Srivastava, Amulya Vinathi Malipatil, Minal Moharir Namruth Reddy S, Sebastian Biedermann</i>	
Decentralized AI Model Marketplace: A Blockchain-Powered Platform for Secure Model Selling, Ownership, and Provenance	636
<i>Vishal Subhash Chavan, Suyash Sanjay Kotkar, Prajakta Shamrao Waghmode Prathamesh Satyavan Ligade, Jambukeshwar Pujari, Sheetal Gaikwad</i>	
Decentralized E-Voting Platform with Fingerprint Authentication and Blockchain Security	642
<i>Rahul J, Rajamohan R, Sinthuja P M</i>	
Real-Time Classroom Engagement and Interaction Monitoring Using YOLOv5	648
<i>M. Gokuldhev, Muhammed Sinan P, Krishna Pratap Dwivedi</i>	
Advanced AI Platforms for Securing Wireless Communication Using Real-Time Threat Detection	655
<i>Arun Prasath N, B. Harchana, K. Suganya, Avinash Amaranayani, R. Sujitha, Athiraja A</i>	
Precision AI Solutions for Automating Fruit Harvesting and Ripeness Detection in Orchard	661
<i>Chozha Rajan, Sneha Suresh Kumaran, K. Shanthi Latha, Srinu. B, Karthik H. P, Arun Srinivas T</i>	
Real-Time Leukemia Detection from Blood Smear Images Using AI	667
<i>Jayashree N, Ashok Kumar K</i>	
Efficient Data Transfer in Internet of Things (IoT) Networks: Privacy-Preserving Techniques for Edge-Cloud Collaborative Computing in Resource-Limited Settings	673
<i>K. Sivaraman, Suresh Kottur, M. Rekha, Shobana D, G. Karthikeyan, Mohandoss S</i>	
Image Encryption Technology Based on Fractal Image Compression Algorithm	679
<i>Karan A, Karthickkameshwar S, Dhandapani Samiappan</i>	
Reproducible Frame Process for Building and Evaluating Machine Learning Models for Clinical Prediction Tasks	685
<i>Aishwarya B, Jagadeshwar Reddy.T, Harsha Vardhan.B, Shahul Hameed C, Saranya R, Abiraami TV</i>	
Automated Evaluation of AI Legal Rights with Zero-Shot Classification and Rule Logic	691
<i>Tanushree Sunil Borase, Avjot Singh Chawla, Thamizhamuthu R</i>	
StreamED: Real-Time Event Detection over Big Data Streams	698
<i>Amrutha Sivakumar, G Bhavya Reddy, Srinidhi M, Niharika Panda</i>	
Predicting Food Market Trends With Regression Models	705
<i>Madduru Sresta, K.Meghaneswari, S Pushparani</i>	

Low-Light Medical Image Enhancement Using GANs with Clinical Constraints	712
<i>Sakthivel S, S. Dinakar Jose, V. Keerthiga, K. Balasubramanian, Pooja Vasant Koli, Sajiv G</i>	
Deep Learning-Based Anomaly Detection for Cybersecurity of Zero-Trust IDS in Cloud Environments	718
<i>Krishna Ganeriwal</i>	
Quantifying Cognitive Divergence Between Humans and Artificial Intelligence with Unified Markov-Chain Framework	724
<i>Vincent Gnanaraj T, Nandini M, Nhesika S G, Nivedha A</i>	
Aspect-Based Sentiment Analysis of Emoticons in Social Media Using Deep Learning	730
<i>Vijayalaxmi V. Tadkal, Shivaleela Patil</i>	
Security in Telehealth: A Comprehensive Framework Combining Watermarking, Blockchain, and Encryption	735
<i>Dip Patra, Soumyadiptya Dutta, Priyanka Biswas, Nirmalya Kar</i>	
Cloud Tunnel VPN	741
<i>Syed Riyyan Chand, Syed Bilal Chand, Uzair Ahmed, T Mohammed Ismail, Goutam R, Farhana Kausar</i>	
Real-Time Traffic Accident Detection Using YOLOv11 Based on the Derivative of Traffic Parameters	753
<i>K G Nandhika, A Priyadharshini, S Mithuna</i>	
Safety AI Embedded IOT: Real-Time Road Surface Monitoring And Hazard Detection Using Acoustic And Ultrasonic Sensing	758
<i>Sabareesh K. S., Praveenkumar V., P. Kaladevi</i>	
PRISM: Prompt Red-teaming and Injection Simulation for Models – A Scalable Framework for Evaluating LLM Robustness Against Malicious Prompts	764
<i>Nishith P, Niharika Panda</i>	
An Efficient and Scalable Real-Time Vehicle Surveillance System for Intelligent Traffic Management on Resource-Constrained Devices	770
<i>Vishwa R, Sachin Arul A, Subha J.</i>	
High Gain SRR Loaded Terahertz Patch Antenna for Cancer Cell Detection	776
<i>Vaibhav Kumar Kamal, Shalini Dwivedi, Smrity Dwivedi</i>	
Dual-Band Patch Antenna with Coaxial Feed in K and Ka Band for 5G Applications	781
<i>Shalini Dwivedi, Vaibhav Kumar Kamal, Smrity Dwivedi</i>	
Acceleration Of Drug Discovery Using GNN	786
<i>S. Rajaprakash, Ashok Kumar.V, J.Raja, I.Vasudevan, Maram Suresh Reddy, Mannepalli Umesh</i>	
AI-Guided Hybrid Neural Network for Energy Optimization in Smart Grid and Renewable Systems	794
<i>P. Arul Prakash, Sumaiya A, Sakthy Prema J, Shalini Preethi Nimmi J, Varathammal G, Sivaraja S</i>	
Detecting Fraudulent Transactions: Leveraging Graph Neural Networks for Enhanced Probability Analysis	800
<i>Y. Sahith, K. Sri Sai Tejaa Reddy, V. Jaya Ganesh, B. Venkatesh, K. N. Meera, Rashmi M. R</i>	
Deep Learning for Early Detection of Melanoma Using Clinical and Image Data	803
<i>Sukumar Beeda, Rajasekar M, Anitha Gopalan</i>	

Area-Performance Trade-off Analysis of Hybrid Ripple-Carry/Carry-Lookahead Adders in the PicoRV32 RISC-V Core	810
<i>Renee Pearlin P, C. T. Kavitha, Shrinidhi S</i>	
Blockchain-Based Single Sign-On Authentication for Secure Academic Portal Access	815
<i>Shivakumar M, Neha Saahitya B, P Srinithya, Vaishnavi Shashikant Naik, Vismitha Udaya Kumar</i>	
Design and Simulate a CLLC DC-DC Converter for Electric Vehicle Type-C Charging System	821
<i>Sameer Nayak, A B Raju, Vinod S Patil</i>	
Dual Active Bridge Converter for Electric Vehicle Type-C Charging System	827
<i>Shrinidhi Chimmalagi, Sameer Nayak, A B Raju, Vinod S Patil</i>	
Multi-Agent Framework for Interactive Storytelling using Large Language Models	833
<i>S. Lalitha, P.Karthik Bharawaj, P.Manikanta Prasad</i>	
Edge-AI Co designed Powered Converter for fault predictive Grid interactive Inverters	840
<i>M Prabakaran, B Gauthaman, S. Sasikumar, Sripriya Ranganathan, S Kalpana, M Thirumalai</i>	
Advanced U-Net Framework for Multi-Modal Brain Tumor Segmentation and Interactive Clinical Visualization	847
<i>R.Velvizhi, Mallidi Sai Krishna Reddy, Vechham Shivaram Srujan, Manju C Nair, V Dharani</i>	
Attention-Guided Feature Fusion in a Swin Transformer with Adaptive Class Balancing for Robust Alzheimer's Stage Prediction	854
<i>Gunasundari B, Varsha D Jadhav, Priyadharshini. SP, Ponnusamy S P, Jayareka K S, Mahesh Kumar N B</i>	
Hybrid S-Box and Caesar-Based Polyalphabetic Cipher for Enhanced Lightweight Encryption	860
<i>Subhransu Barik, Chayan Malick, Priyanka Biswas, Nirmalya Kar</i>	
Compact 4-Element Rectangular Spiral UWB-MIMO Antenna with Simplified Defected Ground Structures for Wireless Applications	866
<i>Abhay Genuche, Prabhakar Manage, Vijaya Rayar</i>	
Design and Configuration of a Multisensor Network and AI Based Nuclear Radiation Monitoring System	874
<i>Sumit Sharma, Ruchika Sharma</i>	
Gyanadarshan: Visual Learning with Indian Values through AR	879
<i>Karthikeyan R, Pavithra S, Nithish Kamal K, Priya Dharshan K</i>	
StreetBay Scheduler: An Optimization-Based Approach for Urban Vehicle Space Distribution	887
<i>Chidambaranathan C.M, Allarapu Jagadeesh, Sonti Jogeswara Rao</i>	
A Trust-Aware Federated Learning Framework for Secure AI Collaboration	894
<i>P V Kumar, Selvin Retna Raj Thavasimuthu, Aswani Devi Balla, S. Jayanth, Kachapuram Basava Raju Swathi Sambangi, Udaya Kumar Addanki, Bomma Ramakrishna, Ramesh Babu Pittala</i>	
PitchPal-AI Startup Pitch Deck & Idea Validator	900
<i>M.Rajasekaran, Sai Vinay Shyam Rajith, Y. Krishna Sai</i>	
MedRoboLegalNet: An AI Framework for Evaluating Medical Negligence and Legal Compliance in Robotic Surgeries	906
<i>S.Thangamayan, Laura Rose Selvakumar, Prabhakaran. R, Nethra Shree G, Yuvaraaj Madhan R.Sudharshan</i>	

FraudGraph-X: A Scalable Spatio-Temporal Graph Neural Network Framework for Real-Time Financial Fraud Detection	912
<i>S.P.Vidyassri, Somalaraju Sankar, Rakshana K, P.L.Mamishna, Shrutha Kieerthy, Kaashvi Madhavan</i>	
OptiEmpower-LSTM: An Optimized Long Short-Term Memory Network for Longitudinal Analysis of Educational and Employment Growth	918
<i>A. Sivanandam, K.S.Nitharshan, A.Selva Sujitha, Vignesh.M, G.B.Sai Smrithi</i>	
PSO-Optimized Deep Learning Model for ECG-Based Arrhythmia Detection in Wearable Devices	924
<i>Maheswari. S, M. Venith Vijay, Umadevi. G, N. Hemavathy, Ganapathy. G, Praveen Kumar. A</i>	
Data-Centric Privacy Preservation Using Swarm-Optimized Machine Learning Models in Edge Networks	930
<i>M.Anitha, K.Sivaraman</i>	
An Explainable AI Framework for Interpretable Cybercrime Detection Using Multi-Source Digital Evidence	936
<i>Bomma Ramakrishna, Posimsetti T Chiranjeevi Swamy, Bokka Harita, Ravi Durga Naga Lakshmi Alapati Vijayalakshmi, Sreepuram Suman Das, Ramesh Babu Pittala, Medikonda Asha Kiran Manyam Thaile</i>	
Smart Break Recommendation System Based on Student Mental Fatigue and Task Type	943
<i>Swathi Vinesh, Rakshitha G, Skandapriya V, Bhoomika G M, Hemalatha J D</i>	
Mitigating Identity-Based Attacks: Integrating IGA Logs with SIEM Systems	949
<i>Sunnykumar Kamani</i>	
Trustworthy AI for Truth Discovery: An Interpretable SHAP-SVM Framework for Fake News Classification	953
<i>Sigirisetty Anusha, Rongala Ravi, Polinati Vinod Babu, C P Pavan Kumar Hota, G Kalyani V Priyadarshini</i>	
PATOMIR: A 3D Latent Diffusion Prior for Uncertainty-Aware Medical Image Reconstruction	958
<i>Palem JayaPrakash Goud, P. Spandith, Bharathi V</i>	
AI-Powered Dynamic Traffic Signal Control System for Emergency Vehicle Preemption	963
<i>Kumar V, Nandish Kumar T R, Samprit Nagshetty, Shailendra, Palanivel R</i>	
Deep Learning Approaches for QoS-Aware Adaptive Routing in IoT Manets	968
<i>Umamaheswari M, Annamalai Saravanan R</i>	
NyayamGPT: Indian Intelligent Legal Assistant	975
<i>S. Amutha, Arni Vinay, T. Jaffar Hussain, Jack V, Mohammed Ashfaq</i>	
GPU-Powered Crop Quality Forecasting: Integrating CUDA-YOLO Detection with RF-XGBoost Classification	981
<i>Suryanarayanaraju Saripalle, M.Nagamani, V.S.Saranya, Venkatarathnam.K, Siva Kumar Pathuri Seeniappan Kaliappan</i>	
Design and Optimization of a Blaze Grating	987
<i>Jenila C, D.Vinod, P.Sathish Kumar, P.Achyuth</i>	
Smart Hospital Connectivity and Integrated Service Management System	993
<i>P.Phani Sai Raghavendra, B.Nimith, R.Suguna</i>	

Smart PPE Detection and Compliance Verification System Using Faster R-CNN for Medical Laboratories	1000
<i>Raja A, Bharani K, Gowri Shankar S, Likitha T, Syed Abbu Tahair</i>	
GAT-ARS: A Unified Academic Recommendation Model Powered by Graph Attention Mechanisms	1008
<i>Ramachandra H V, Biradar Shilpa</i>	
AI-Enhanced Career Guidance System for Personalized Career Pathways	1015
<i>Ramchandra. H. V, Pragathi M, Srishti P Desai, T Mythri, Chittiboina Sai Niharika Yadav, Gagana V</i>	
Performance Analysis of MCSD and Wavelet-Based Fusion for Multimodal Medical Imaging	1019
<i>Preethika S, Bharath S, S Navaneethan, Arunkumar K</i>	
Integrated ECG IoT-Based Health Monitoring Using Machine Learning	1025
<i>Gurusigaamani Ayyanar Muthulingam, Kardeepa Ponnuchamy, Bojjireddy Prathyusha Nanubala Sanjeeva Sai Kumar, Jonnalagadda Kavayasasanka, Anand A</i>	
AI-Powered Resume and Job Description Matcher: A Semantic Similarity Approach Using SBERT and Contrastive Fine-Tuning	1032
<i>Jitendra Singh, Mekhala, Kamini Tanwar, Ashish Kumar, Aanchal Vij, Ashish Jain</i>	
FedDL-Spam: A Federated Deep Learning Model for Collaborative Spambot Detection in OSNs	1041
<i>Velvizhi G, Poongavanam N</i>	
AI-Powered Transformer Framework for Intelligent Natural Language to SQL Query Generation	1048
<i>P. Arul Prakash, Shakthi S, Sri Santhiya M P, Shreeja A V, Subash S, Eyamini C</i>	
A Deep Learning-Based Twin Architecture for Cross-Domain Opinion Mining and Location-Aware Personalized Recommendation	1053
<i>Lakshmikanth Paleti, Balajee Maram</i>	
Ensemble Learning Model for User-Opinion-Driven Social Recommendations across Heterogeneous Dataset Platforms	1061
<i>Lakshmikanth Paleti, Balajee Maram</i>	
Efficient CNN-LSTM-Based Hybrid Model-Predictive Control for Real-Time Maximum Power Point Tracking Under Partial Shading Conditions	1067
<i>Pandikumar M, Mohammad Irshad, Guna G, Srihari T</i>	
Employ Reconfigurable Logic and Parallel Pipelined Techniques, Design VLSI Architectures for 5G Baseband Processing	1073
<i>G. Prathiba, L. Dharani, A. Muthukrishnan, Shobana D, Yogitha R, J. Sofia Bobby</i>	
Implement Image Processing with Deep Learning: A Strong Foundation for Computerized Medical Diagnosis from High-Resolution Radiographs	1079
<i>B. Gohin, A Naga Lakshman Kumar, Kalaimagal Sivamuni, A. Muthukrishnan, Annapoorani C L, M. Selvi</i>	
Multi-Layer Hybrid Energy Storage System with Time-Scale Decoupling for Fast-Response EV Charging Stations	1085
<i>Guna G, Pandikumar M, Srihari T, Mohammad Irshad</i>	
Self-Supervised Hybrid Model-Predictive Control for Maximum Power Point Tracking Under Partial Shading Conditions	1092
<i>Mohammad Irshad, Pandikumar M, Guna G, Srihari T</i>	

Machine Learning-Driven Energy Demand Forecasting for Sustainable Hospital Infrastructure: A Predictive Framework for Operational Efficiency and Carbon Footprint Reduction	1097
<i>K. M. Zubair, Gazi Arman Islam, Atkea Fauzia Eva, Muhammad Shayan Nafees, Md. Maniruzzaman Sudoy Kumer Ghosh</i>	
Explainable Ensemble Machine Learning Framework for Employee Attrition Forecasting: An Integrated SHAP-Based Approach to HR Decision Intelligence	1103
<i>Md Mehedi Hassan Melon, Jubair Khan Shahos, Meherunnesa Sadia, Adnan Mahmud Fuad Md Mostafizur Rahman, Sudoy Kumer Ghosh</i>	
Machine Learning-Based Early Risk Stratification Framework for Chronic Kidney Disease Progression Using Comprehensive Multi-Domain Clinical and Biochemical Data	1110
<i>Md. Maniruzzaman, Naima Najam Nejum, Musfika Jannat Mamata, Hasebul Hassan Chowdhury Fahim Ahamed Romit, Sudoy Kumer Ghosh</i>	
Design and Performance Analysis of a compact 28Ghz mm Wave Antenna for 5G Application	1116
<i>Keerthiga G, Thikazhmanibala K, Akila P</i>	
Adaptive Temporal Neural Networks for Individualized Diabetes Risk Prediction from Irregular Health Records	1121
<i>S. Saraswathi, Jeena R, Manjula Arunraj, Theivanai. K</i>	
Kidney Tumor Detection in CT scans Combining 3D CNN and Transformer Networks	1127
<i>R. Umanesan, M. Vignesh Sai, S. Thishitha, S. Jagadeesh</i>	
Blockchain-Enhanced Hybrid Deep Learning Approach Using Vision Transformer and Novel Random Forest for IoT Malware Detection on CIC-IoT-23 Dataset	1134
<i>Yogendra Chhetri, Deepika, Sukhvir Kaur</i>	
The Evolution of AI-Powered Recommendation Agents: Taxonomies, Techniques, Applications, and Emerging Frontiers	1139
<i>Dinesh Besiahgari, Naveen Kumar Ramakrishna</i>	
AI-Powered Personalized Content Management System (CMS) for Dynamic Websites	1147
<i>S. Jagadeesh, Balusu Sai Siddardha, Padhi Srikanth, R. Umanesan, N. Noor Alleema, S. Samsudeen Shaffi</i>	
EduGen: AI powered Interactive visual learning for Enhanced Understanding	1153
<i>Mithra Venkatesan, Sheetal Pawar, Nilakshi Rajule</i>	
IoT-Enabled Smart Pill Dispensing System for Enhanced Medication Adherence and Remote Monitoring	1160
<i>Sheetal Pawar, Mithra Venkatesan, Nilakshee Rajule, Vidya Raut, Manali Bhalerao, Shravani Giri</i>	
Q-MIND: Quantum Enhanced Mental Illness Prediction	1168
<i>Nandini U, Deeksha N, Shristhi G N, B K S V L Varaprasad</i>	
AI-Based Tutor for Visually Impaired	1174
<i>Dhanvanthri R, Nitheesh Kumar M, Jayalakshmi M, Pugalenth M, Nithish Selvam R</i>	
AI-Powered Missing Child Detection and Retrieval Using Deep Face Matching Algorithms	1179
<i>Santhiya K, Sivasankari A, M. Varshana Devi</i>	
AI-Based Early Crop Disease Prediction and Preventive Solution System Using Environmental Sensor Data	1184
<i>KC. Nithyasree, A Selvakumar</i>	

AI-Powered Nutrition & Emotion-Aware Meal Planner Using Face Analysis	1190
<i>Murugan A, Manchala Madhan, S. Lakshmi</i>	
Medi Help: AI Driven Medication Information and Assistance	1196
<i>C Sivamurugan, P Gowsalya, Katta Lakshmi Sai Deepika, Pilli Harsha Naga Venkata Pavan</i>	
<i>Neelisetty Yasaswini, Mylarapu Abhi Varshini</i>	
Hybrid CNN-Transformer Architecture for Multi-Class Classification of Astrophysical Objects	1201
<i>Richa Nigam, Alok Misra, Ambuj Kumar Agarwal, Raj Gaurang Tiwari, Firdous Sadaf, Nitin Rakesh</i>	
Deep Learning–Driven Classification of Brain Tumors from MRI Scans Using Convolutional Networks	1208
<i>R. Umanesan, Utkarsh Roy, Shiksha Bharti, S. Jagadeesh</i>	
Comparison between the LSTM and Hierarchical LSTM Architectures in Improving Brain Tumor Detection in MRI data	1214
<i>Yaakulya Sabbani, S Venkata Achuta Rao, Sk. Mahaboob Basha, M Senthil Kumar, Mahaveerakannan R</i>	
Design and Simulation of a Compact Axial and Radial Corrugated Horn Antenna for Ku-Band Defense and Aerospace Applications	1220
<i>Rakshitha M, Monikka P, Mrunal A Marihal, P. Raja Ramana Rao, Subrata Kumar Datta</i>	
News Article Classification Using Capsule Networks and Transformer-Based Contextual Embeddings	1226
<i>Shaik Jani, Nagagopiraju Vullam, Dara Vikram, Vunnava Dinesh Babu, Sujana Babu Vadde</i>	
<i>A.Lakshmanarao A. Lakshmanarao</i>	
AI-Enabled Intelligent Monitoring System for Medication Adherence and Lifestyle Management	1232
<i>P. Arul Prakash, Preethi A G, Veerachinnu M, Naveen N, Kabilesh N, Eyamini C</i>	
Advanced Gradient Boosting Models for IoT-Driven Continuous Health Monitoring: Predicting Chronic Disease Exacerbation Using Wearable Sensor Data	1238
<i>Shikha Khullar, V. Divya Vani, Vijay Kumar S, W Sravani, Thella Preethi Priyanka, S. Kaliappan</i>	
A Dual-Branch Vision Transformer–CNN Model with Explainable Attention for Accurate Knee Osteoarthritis Grading	1245
<i>Neha Kumari, Eram Khan, Gurpreet kaur, Tanya Gupta, Sargam</i>	
Design of a Low-Power FBHA-OCSLA Hybrid Adder for High-Speed VLSI Systems	1251
<i>Aryan Desai, Subramanya G. Nayak</i>	
Design and Analysis of a 5-Port Router with Enhanced Features for NoC Applications	1256
<i>Ganga Narmada, Subramanya G. Nayak</i>	
An Adaptive MIMO Model for Climate-Perturbed, Resilient LEO Constellation Links: Insights from Bangladesh	1261
<i>Sadman Al Farabe, Md. Mizanul Hoque, Asif Ahmed Khan, Md. Suaibur Rahman, Md. Hachhibur Rahman</i>	
<i>Md. Azad Hossain</i>	
Real-Time Intrusion Detection for IoT Networks Using Machine Learning	1267
<i>Suresh K, Pola Bala Venkata Ganesh, Kattamuri Sai Siddhardha</i>	
A Hybrid ML–ANN Ensemble Framework for Robust Diabetes Prediction Using Multi-Dataset Evaluation	1273
<i>Gunipalli Hashika Sai Pranathi, A.Lakshmanarao</i>	

BERT - Based Evaluation of Depression Detection Systems on Social Media	1279
<i>Lakpathwar Varshini, Shaik Jakeer Hussain, Vyshnavi Pola, Bandari Vignesh</i>	
AI-Driven Cybersecurity: Enhancing Threat Detection and Response	1287
<i>Ayushi Bhakuni, Gagandeep Kaur, Anshu Vashisth, Alok Misra, Manik Rakhra, Mukesh Kumar</i>	
A Unified Deep Learning and Web Application Framework for Automated Heart Disease Prediction and Dietary Guidance	1294
<i>Lithin S, Pranav J, Rajeshkannan. S, G. D. Vignesh, Hasan Dhanish J, Aieshwarya R</i>	
Predictive Evaluation of Heart Failure Outcomes Using Comparative Machine Learning Models	1300
<i>Kavyashree I Pattan, Anil D, Sandhya K, Annapurna Shobitha S, Muthu Bala N, Benaka Santhosha S</i>	
Optimized Brain Tumor Segmentation and Detection Using Machine Learning and DeepNeural Networks	1306
<i>T.Boopathy, M.Kavitha</i>	
Smart Portable IoT Monitoring for Indoor Air Quality with Cloud Intelligence and Instant Insights	1313
<i>Swathi Paapanna Gari, Sowjanya D, Nirmala M B, Chandan B Ram</i>	
Logofy: A Prompt-Based Intelligent Logo Generator for Non-Designers	1319
<i>Niranjan Desai, Shreyas Patil, Tharun V S, Parasnath D, Prof. Vaishali Y Parab</i>	
Solar PV Powered DC Charger for Electric Vehicle	1323
<i>Nikita C Kambalimath, A B Raju, Vinod S Patil</i>	
Simulation-Based Design of a Multimodal Vision-Guided Smart Wheelchair for Secure and Energy-Efficient Mobility	1329
<i>Kavitha N. Pillai, Chinthala Ramesh, Anju Das, Margaret Mercy V, Deepthi Mariam John</i>	
Gesture Recognition Wearables for Inclusive Communication	1335
<i>Vrinda Parkhi, Shireen Kulkarni, Samruddhi Mache, Kaivalya Mane, Himanshu Mantri</i>	
Reinforcement Learning-Based Optimization for Taxi Ride Sharing	1340
<i>Anirudh A Zalki, Ayush Nag, Harshad S Magdum, Praveen U Alur, Uday Kulkarni</i>	
Enhancing Heart Disease Diagnosis through Ensemble and Instance-Based Machine Learning Techniques	1348
<i>Neha Gupta, Janpreet Singh, Swati Katwal, Gyana Ranjana Panigrahi, Pradnya Borkar</i>	
EERA: A Hybrid Ensemble Regression Model for Accurate Time Series Prediction in IoT Applications	1354
<i>Ajit Patil, Amol Potgantwar</i>	
Toward Efficient Smart Waste Management: ResNet50 based Transfer Learning for Imbalanced Garbage Classification	1361
<i>Narinder Kaur, Nisha Jaswal</i>	
Secure Bootloader and Kernel Initialization in Embedded Systems Using Rust	1367
<i>Raman Sharma, Udaya Krishnan</i>	
Compact Low Latency 8-bit ALU Using CORDIC for Resource Constrained Systems	1373
<i>Sreyas Sreekumar, Sidharth Kaippakkayil, Rajesh Kannan Megalingam</i>	
Machine Learning Driven Dynamic Power Management for IoT Processors Using gem5 Simulation	1380
<i>Nandana C K, Sarah Saju Muhammed, Dr Rajesh Kannan Megalingam</i>	

Intelligent Tool Management System Using Dual Collaborative Robots: MyCobot 280-JN and MechArm 270-PI	1386
<i>Rohit Palthur, Prasannakshi Bidari, Kartik Hiremath, Keshav Modani, C B Kolanur, Vinayak N Kulkarni</i>	
Enhancing Ethernet Security through Cyber Physical Systems with Real Time Monitoring, MAC Spoofing Detection and Automated Intrusion Alerts	1394
<i>Priya Lakshmi, Srimathi S, Karan Aylu P</i>	
Design and Performance Analysis of a 2.45 GHz Circular Patch Microstrip Antenna for Wireless Sensor Networks and IoT Applications	1400
<i>Sourav Patra, Arpita Pawar, Deep Patil, Yash Mitkari, Sreedevi Nair, Sreekala Nair</i>	
FPGA-Based Embedded ML Accelerator for Healthcare IoT Devices	1405
<i>Jijumon Rajendran, Harishankar Sajeew Pillai, Dr. Rajesh Kannan Megalingam</i>	
Python-Based Simulator for Machine Learning-Driven Adaptive Hazard Mitigation in 5-Stage RISC Pipelines	1411
<i>Betha Jyothi Swaroop, Sreedharan Babu, Meka Nitin Srinivas, Rajesh Kannan Megalingam</i>	
Hybrid GWO-Quantum DL Framework for Cyberattack Detection in IoT and Smart Industries	1417
<i>Manu Kumari, Harpal Singh, Swati Katwal, Pradnya Borkar, Gyana Ranjana Panigrahi</i>	
Band-Type MIMO Antenna Design for Wireless Body Area Network Communication	1423
<i>Jeevadharshini B, Kavya S, Thennarasi G</i>	
Neurochain: A cognitive Blockchain FrameWork for Big Data Intelligence	1429
<i>G.V.Yogeswari, S.Tharun Sakthe, V.Kumara Sundari M E</i>	
Design and Analysis of Novel Power-Optimized ReRAM Array Using 1D1R	1437
<i>Jamuna S, Prathik Chandrapal, Kavyashree G M, Dhruva R, Jhanavi M, Anagha</i>	
A Hybrid SMOTE–Ensemble Learning Framework for Early Parkinson’s Disease Detection using Biomedical Voice Signals	1443
<i>Rishiram Maskare, Sneha K. Patle, Sameer Tembhurney, Sourabh Tiwari</i>	
Enhancing Skin Lesion Image Quality Using Non-Local Means Denoising for Improved Diagnosis	1453
<i>Narinder Kaur, Parav Sharma, Dipannita Ray</i>	
Real-time Handwritten Digit Recognition: CNN Model, Digits Recognition and Streamlit Deployment	1459
<i>R. Sathesh Raaj, Sanjai.B, Ganesh.Y, Subiksha.A.G, Bikash Ranjan Behera</i>	
A Privacy-Preserving Federated Learning and Trust Scoring Framework for Secure Digital Service Marketplaces	1465
<i>Nidhishree M S, Tarun, Vinayaka V M, Vivek Shivappa Gunari, Swayam Sidnale</i>	
DB Sherlock: Dynamic Ransomware Threat Detection in MySQL Using Behavioral Profiling and Query Analytics	1470
<i>Inchara K P, Madhumala R B, Harish K, Taha Kathiria, Aakifa Aimen, Ridha Mohammadi</i>	
Weighted Ensemble Feature Selection Technique for Identifying Cyber Attacks in IoT Networks	1476
<i>Balingan Sangameshwar, Bandaru Shanmukha Priya, Chunduru Anilkumar, B Venkatesh, A Naga Kalyani Sathishkumar V E</i>	

Enhancing Cloud Security: A Hybrid Approach to RAT Detection using Shannon Entropy and Network Jitter Analysis	1482
<i>Gopika J, Andrea S, Sindhu T</i>	
Deep Learning CNN-Based Detection of Metallic Landmines in Synthetic GPR Scans	1489
<i>Katuri RamaKrishna, Saladi Navya Sai Sri, Bali Tejeswara Rao, Pamula Naga Bhavani</i>	
XAI-Recruit: Explainable AI for Job Recruitment Fraud Detection Using Deep Learning	1495
<i>Raghav B K, Paschal D, Somashekhara G S, Sanket Patil, Anupama Polur, Praveena</i>	
SmartAlert: A Data-Driven Cloud-Native Framework for Intelligent Alert Management in Cloud Operations	1500
<i>Abinaya Mettupatti Sivagnanam, Gayathri Surianarayanan, Srikanth Singireddy</i>	
Agentic Test Automation Framework for Complex Software and Database Systems	1506
<i>Srikanth Singireddy, Abinaya Mettupatti Sivagnanam, Gayathri Surianarayanan</i>	
A Responsible AI Validation Framework for Generative Chatbots Handling PII/PHI	1512
<i>Gayathri Surianarayanan, Srikanth Singireddy, Abinaya Mettupatti Sivagnanam</i>	
Intelligent IBPSO-Driven UAV Positioning for Enhanced Coverage in VANET Environments	1520
<i>Samkit Jain, Purushottam Kumar Singh</i>	
Bull and Bear Phase Detection of BankNifty using the convolution of LSTM and ADF	1525
<i>Gouranga Duari, Bhupendera Kumar, Homi Shivanshu Purbey</i>	
Harnessing Natural Language Processing (NLP) and Generative AI Techniques for Social Media Sentiment Analysis with Text Classification	1530
<i>Bhulakshmi Makkena</i>	
Efficient Machine Learning Framework for Detecting e-Commerce Fraud Transactions	1537
<i>Bhulakshmi Makkena</i>	
Radiomics and Artificial Intelligence in Thyroid Cancer Staging and Prognosis	1543
<i>B Srivalli, Kummari Venkatesh</i>	
Majdoor Digital Trust-Ledger (MDTL): A Decentralized Framework for Bridging Informal Labor to Formal Economic Inclusion	1549
<i>Shivam Sharma, Sakshi Singh, Manish Pal, Sumit Paswan, Kamna Singh</i>	
SwiftLedger: A Hybrid 3 Layer Decentralized Payments System	1556
<i>Ashirwad Gupta, Nikhil Yadav, Raj Shekhar Yadav, Pranjal Jain, Anupama Sharma</i>	
Price Meets Occasion: Blockchain-based Dynamic Pricing for the Wine Industry	1562
<i>Pritam Rani, Priyanka Gaba, Surbhi Sharma, Sanjeev Kumar Singh</i>	
AI-Based Asynchronous Alert Enrichment Framework for Scalable Security Operations Centers	1568
<i>Devika Karki, Virender Ranga, Varsha Sisaudia</i>	
AI-Driven Hybrid Decision Support Framework for Heart Disease Prediction and Personalized Treatment Recommendation	1574
<i>K.S.Ranjith, Appoji Gari Yarasree, Kancham Haritha, S MD Nizamuddin, M Dhanush Shivaji Naveen Kumar Akula</i>	

Large Action Models: A Unified Smart Framework for Autonomous Intelligent Systems	1581
<i>Pratham Patel, Aryan Patil, Hemlata Parshuramkar, Umesh Raut</i>	
Beyond CNNs: A Comparative Framework for Explainable and Hybrid Deep Learning Models in Crime Scene Video Anomaly Detection	1590
<i>Akshita M B, Abhinay Kumar, Meruga Yash, S. Janardhana Rao</i>	
Attention-Driven Deep Learning Framework for Diabetic Retinopathy Detection Using CBAM and Preprocessing Filters	1597
<i>Akshita M B, Abhinay Kumar, S. Janardhana Rao</i>	
AI-Driven Virtual Assistant with Immersive Experience	1604
<i>Ravi Maddinapudi L, Sujatha C, Sree Niranjanaa B</i>	
Generative AI-Enabled OCPP Intelligence: A Predictive Framework for Autonomous EV Charger Diagnostics and Self-Healing Networks	1610
<i>Pradeep Anjuru</i>	
Design of a Microwave Near-Field Probe for Fault Detection in Dielectric Materials	1618
<i>Nageswararao Naik Bhookya, Gampala Jai Anjaneya, Ballikurava Aravind, Vasamsetti Jayasri Kottangi Ganesh Kumar, M Venkateswara Rao</i>	
DAWN: A Hybrid Real-Time System for Driver Drowsiness and Alcohol Detection	1624
<i>Shubham Singh, Shashank Chaurasiya, Vinit Kumar, Vishal Agrawal, Anupama Sharma</i>	
Design and Analysis of a Low-Energy Ternary Half-Adder Using GNRFT-Based Unary Operators	1630
<i>S. Mubeena Tasneen, Y. Mallikarjuna Rao, Shaik Javid Basha, C. Venkataiah, Erfan Abbasian Ashish Sachdeva</i>	
AI-Driven Cognitive Search over Large-Scale Heterogeneous	1637
<i>Sudheekar Reddy Pothireddy</i>	
Quantum-Resilient AI-Driven DNA Profiling Framework for Ultra-Fast Criminal Identification in Forensic Investigations	1645
<i>Abinaya Sindhuja, M.Amaraa</i>	
Enhanced Evaluation System for Student Performance Analysis	1651
<i>Ashwini Matange, Rutuja Kalekar, Akshata Mahajan, Pranjali Kotalwar, Sayee Patil</i>	
Performance Analysis of Bi-LSTM and Other Deep Learning Models for Predicting Anxiety and Depression Among Undergraduate Students	1656
<i>Praseeda Manoj, Sarachandran Nair, Reshmy Krishnan, Yahya Al Bulushi, Khalid Al Salmani, M. Lakshmi</i>	
A Novel Hybrid Deep Learning and Machine Learning Framework for Medicinal Plant Classification Using Multi-Feature Fusion	1662
<i>Anil Kumar Thandlam, T.Veeraraju</i>	
Comparative Analysis of Linear Regression and XGBoost for Air Passenger Traffic Prediction	1668
<i>Gangapuram Dhanasree, B. Nandhini, M. Sohan Reddy, T. Prashanthi</i>	
Bridging Quality and Clarity in Image Dehazing	1674
<i>Sudeshna Chakraborty, Monika Pokharel, Nitika Kapoor</i>	
Simulation and Modeling of Biodegradable Capacitor	1680
<i>Anjana J.G, Abhinav K.L, Ananthu A.C, B S Vishnu Chasanth, Dheeraj M, Unnikrishnan Jayan</i>	

Data-Driven Crop Prediction: Combining Ensemble Methods with Interpretable AI	1686
<i>Anushree G, Swetha B, Vedashree L V, Divyamani L S, Apoorva Tholpady, M Gunajothi</i>	
Exploring the Synergy of Quantum-Classical Integration in Machine Learning Algorithms	1694
<i>Vedhashree L V, Anushree G, Usha KC, Rekha Suresha, Jeevitha R, Aryan Kathyanian</i>	
Simultaneous Modulation and SNR Classification via Spatio-Temporal Signal Features for 6G Wireless Networks	1703
<i>Amaleswari Rajulapati, Katyayani Guggilla, S. Varalakshmi, N. Dhasarathan, R. Ramalakshmi Vijayakumar Sivasundar</i>	
Adaptive PWM Control using Machine Learning and RISC-V	1710
<i>Abhinav Chalil, Vivek Ashok Nair, Rajesh Kannan Megalingam</i>	
Hybrid ML-PID Control for Dynamic Load Management in Power Electronic Systems	1715
<i>D.Sasikala, Kanimozhi S, K. Sindhuja, Geetha D, Marpu Ramesh, C Srinivasan</i>	
Cloud Supply Chain Optimization using AI-driven Forecasting	1721
<i>Prajakta Ravindra Waditwar</i>	
A Federated Zero-Trust Architecture with Post-Quantum Cryptography for Secure and Resilient Data Transmission in Cloud Computing	1731
<i>Nagamany Abirami, I Varalakshmi, Jasmine S, B Mohan</i>	
NutriCuisineNet: A Multi-Modal AI Architecture for End-to-End Cross-Cultural Cuisine Identification and Nutritional Profiling	1738
<i>Mageshwari M, Vantigari Surekha Naidu, Segu Vinaya</i>	
Multimodal Video Summarization with Modality-Attention Fusion and Hierarchical Transformer Reasoning	1744
<i>Nidhi Passi, Nitin Arvind Shelke</i>	
Adaptive Honeytoken Framework for Enterprise File Security with Automated Response	1750
<i>Vishwa Kumar R, M Mohamed Shajahan, D Deepa</i>	
Fake News and Rumor Classification Using GraphSAGE, GAT, and GCN	1755
<i>Chhotelal Kumar, Naweena Kumar, Akshit Naagar, Dron Rawat</i>	
Energy-Efficient Hybrid Cache Memory Design for Edge-Based AI Inference Using SRAM and ReRAM	1761
<i>Navaneeth Krishnan, Ram Krishna, Rajesh Kannan Megalingam</i>	
MobileNetV3 Deep Learning Model for Skin Lesion Classification in Dermatology Applications	1767
<i>Muthammal N, S Murugan, R. Jagadeesh Kannan, R. Poornima Lakshmi, Vinoth T, Chinnama Reddy Raju</i>	
Image-Based Malware Classification Using CNN with Benign Class Augmentation	1773
<i>Abhijith S, Adithya A, Amal S Biju, B Naga Chandu, Manazhy Rashmi, Swathy M</i>	
A Hybrid Machine Learning Framework for Network Intrusion Detection Using TabTransformer and CatBoost	1778
<i>Soujanya Thirunagari, P.V.N. Rajeswari, Viyyapu Pushpa, Uma Maheswari Rayudu, G.Jose Moses Naladi Ram Babu</i>	

A Multimodal Deep Learning Framework for Product Recommendation Using ResNet-50, BERT, and User Behavior Modeling	1784
<i>Gnanasoundharam J, Aseema Safna, Anandikamathi R</i>	
Deep Learning Instance Segmentation–Driven Detection of Colonic Polyps in Pediatric Colonoscopy	1790
<i>Bryan Anthony S. Al Shidhani, Chesney Kayzle A. Bumakil, Nicholas Joaquin E. Santos Angel Grace L. Seballos, Lysa V. Comia</i>	
SentiSound: Speech Emotion Recognition Using Hybrid CNN-LSTM with Multi-Acoustic Feature Integration	1796
<i>Hetvi Patel, Harsh Soni, Madhav Ajwalia, Priteshkumar Prajapati</i>	
Securing Legacy Systems: Analyzing Historical US Cyberattacks and How WAFs Defend Against Modern Threats	1801
<i>Sai Teja Kotagiri</i>	
Deep Learning-Based for Accurate Estimation of Hypertension Risk Using Health Data	1819
<i>S.Uma Maheswari, Nadimpilli.Aneela, S. M. Srilanga Meenatshi, L.N.Jayanthi, Monisha R Gowtham Kumar A S</i>	
A Multi-stage Hybrid Deep Learning Model for Brain Tumor Classification	1826
<i>Suganya V., Jagadeesh Pinniboina, Yogesh Venkata Nandhu Pasupuleti</i>	
Hybrid Machine and Deep Learning Framework for Sustainable Packaging Material Selection	1833
<i>Divyasri C, C Manoranjith, K. Vishnu Raj, Veluchamy S, V. S. Kirthika Devi</i>	
Multimodal Neuroimaging–Driven Artificial Intelligence for Vision Defect Identification and Classification	1839
<i>M.Kavitha, M.Ananda Kumar, G.Nalina Keerthana, P.Manikandan, R.Elankeerthana, M.K.Mohamed Faizal</i>	
A Text-Based Hybrid Machine and Deep Learning Framework for Autism Spectrum Disorder Detection	1846
<i>More Mamatha, S. Vairachilai</i>	
A Blockchain-Cryptographic Framework for Secure Metaverse Transactions	1852
<i>Nidhi Dutta, Gurpreet Singh, Gyana Ranjana Panigrahi, Latika Pinjarkar</i>	
A Web-Enabled Deep Reinforcement Learning Framework for Proactive Ambulance Pre-clearance	1858
<i>Saran Raj Sowrirajan, Mohan Koduri, Shaik Mansoor</i>	
AI-Powered Liver Disease Prediction Using Random Forest and Kolmogorov-Arnold Networks (KAN)	1864
<i>Shivam Kumar, Arjun Kumar Yadav, P.J.Beslin Pajila</i>	
When AI Manages Memory: Q-Learning Based Adaptive Page Replacement	1870
<i>Rehan George Mathew, S L Richris, Rajesh Kannan Megalingam</i>	
Smart Fisheries Mobile Application for Fish Tracking and Route Guidance	1877
<i>Madhumitha R, Kowshika G, Sathiyapriya N</i>	
ML-Augmented Hybrid 3D-DRAM and NVRAM Integration for High-Performance and Energy-Efficient Computing Systems	1884
<i>Akshay Viswanath, Mithun Parthipan Poovathal, Rajesh Kannan Megalingam</i>	
Dynamic Feature-Aware and Adaptive Transfer Learning Framework for Day-Ahead EV Load Forecasting	1890
<i>Mohana Priya K T, Sivasri R, Sri Suriya S, Vijith S B</i>	

Reinforcement Learning-Driven Scheduling for Edge-AI Systems	1896
<i>Saket Mishra, Geetha Krishna Sangam, Uday Kumar Reddy Gangula, Amit Walia</i> <i>Koteswara Rao Chirumamilla, Quazi Taif Sadat</i>	
A Hybrid CNN-LSTM Model for Multimodal Biometric Authentication via ECG and Respiration	1905
<i>Ganeshan R, M.Neha, P.Vasudev</i>	
Accuracy and Power Optimised Adaptive MAC Unit on FPGA Leveraging Goldschmidt Division and Mitchell Multipliers	1911
<i>Shaik Mohammed Thousif, M. V. Subramanyam, M. Sharmila, K. Venkata Subba Reddy, S. Rambabu</i> <i>C. Venkataiah</i>	
Multi-Domain Hybrid Feature Fusion with Domain-Specific LSTM Networks for Generalizable Deepfake Video Detection	1917
<i>Parsad AM, Shashank Ravishankar Naik, Sagar B Sajjan, Satish R Y, Shaurya Katiyar</i>	
QVault: A Next-Generation Encrypted QR Framework for Confidential Data Sharing	1923
<i>Anupama K C, Akriti Raj, Chandana N M, Diya Johari, Hemantha B U</i>	
Real Time Malware Detection using Explainable AI and Deep Learning	1930
<i>Thasleena V.A, D. Narmadha, G. Naveen Sundar</i>	
Advancing Affective Computing with a CNN-BiLSTM Framework for EEG-Based Emotion Detection	1937
<i>Krishnaveni Chettu, Ch.Rajendra Prasad, K. Vasu Babu</i>	
Early Stage Lung Cancer Diagnosis via Hybrid Learning Models on Histological Images	1942
<i>T. M. Devi, Appala Harika, Amudalapalli Chandana Priya</i>	
Data-Driven Vendor Performance Analytics in Cloud SCM	1948
<i>Prasad Sundaramoorthy, Soumya Remella, Kiran Konakalla, Mihir Dhakan, Sudheekar Reddy Pothireddy</i> <i>Quazi Taif Sadat</i>	
Deep Transfer Learning for Produce Quality Assessment: Benchmarking DenseNet and EfficientNet on Citrus Images	1956
<i>Naveen Sharma, Hitesh Marwaha</i>	
Skin Cancer Detection: Synergistic Integration of Deep Features with Ensemble Classifiers	1962
<i>Vikas Narlakanti, Vaishnavi Prashanth, Dasari Veera Venkata Nooka Surya Saran, Suresh Kaswan</i>	
Multimodal RAG Architectures: Combining Computer Vision and NLP for Enhanced Supply Chain Analytics	1969
<i>Srinivas Vikram, Gajendra Babu Thokala, Sivaraman Krishnan, Balaje Prasath Manoharan</i>	
Cross-Cloud Large Language Model Orchestration for Secure DevOps and Data Engineering in Enterprise AI	1975
<i>Gajendra Babu Thokala, Sivaraman Krishnan, Anjali Thaneeru, Sivarama Krishna Akhil Koduri</i>	
Privacy-Preserving Deep Learning for Multi-Tenant CRM Workflows: Integrating Homomorphic Encryption across Cloud Databases	1983
<i>Abhaar Gupta, Tarun Vishwanath Chincholi, Supreet Nagi, Balaje Prasath Manoharan</i>	
Sustainable Cloud Supply Chain Using Green Computing	1989
<i>Prasad Sundaramoorthy, Rahul Kumar Konduru</i>	

Contrastive Learning with Synthetic Data Augmentation for Low-Resource Domains	1999
<i>Ranadheer Kovvuri, Chaithanya Etikala, Adya Mishra, Amit Walia, Jeganraja Rajamani, Quazi Taif Sadat</i>	
Automated Compliance Monitoring In Cloud Supply Chains	2007
<i>Kalpesh Rathod, Somesh Nagalla, Chirag Mavani</i>	
Multi-Cloud Program Management For Large Scale Deployment	2017
<i>Siva Sai Krishna Suryadevara, Somesh Nagalla</i>	
Program Portfolio Managment For Cloud Transformation	2025
<i>Mallikarjun Gouru, Laxman Vattam</i>	
SLA Driven Program Planning for Cloud Delivery Pipelines	2034
<i>Somesh Nagalla, Soumya Remella</i>	
Cloudburst AI: Orchestrating SRE-Driven AI Inference Across Multi-Cloud and Edge Zones	2045
<i>Rishiraj Kohli, Mourya Chigurupati, Sivarama Krishna Akhil Koduri, Nagarjuna Nellutla</i>	
Resilient DevSecOps: Self-Healing Cloud-Native Systems via SRE-Driven AI Threat Detection and Response	2053
<i>Rajesh Lingam, Supreet Nagi, Mourya Chigurupati, Bhargava Teja Myneni</i>	
Blockchain-Based Identity and Access Management in IoT Networks	2059
<i>Abdul Hadi, Quazi Taif Sadat, Senthilnathan Balasubramaniam, Laxman Rao Vattam, Ravi Teja Thutari</i>	
<i>Ponnarasan Krishnan</i>	
Observability-Driven DevOps for Distributed Systems Using Tracing and AI-Ops Based Anomaly Detection	2067
<i>Nagarjuna Nellutla</i>	
Multi-Adapter LLMs: Dynamic Mixture of LoRAs for Scalable Personalization	2076
<i>Varun Kotte, Rohit Joshi, Supratim Dutta, Ravindra Rajasekhar Kavuru</i>	