

2023 International Conference on Computational Intelligence for Information, Security and Communication Applications (CIISCA 2023)

**Bengaluru, India
22-23 June 2023**



**IEEE Catalog Number: CFP23QZ0-POD
ISBN: 979-8-3503-3973-4**

**Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc.
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:	CFP23QZ0-POD
ISBN (Print-On-Demand):	979-8-3503-3973-4
ISBN (Online):	979-8-3503-3972-7

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

CURRAN ASSOCIATES INC.
proceedings
.com

2023 International Conference on Computational Intelligence for Information, Security and Communication Applications (CIISCA) **CIISCA 2023**

Table of Contents

Message from the Principal	xv
Message from the General Chair	xvi
Message from the Program Chair	xvii
Message from the Organizing Secretaries	xviii
Committees	xix
Reviewers	xxi

Online Session 1

Wearable Textile Antenna for On-Body Communication	1
<i>Adarsh Maringanti (GRIET, India), C. Venkat Sahith (GRIET, India), Sayyad Khasim (GRIET, India), A. Ushasree (GRIET, India), M. Satyanarayana (MVGR college of Engineering, India), and N. Udaya Kumar (MLRITM, India)</i>	
Dactylography Interpretation using Key-Points Detection and LSTM	7
<i>Ankith S (Global Academy of Technology, India), Darshan G Naidu (Global Academy of Technology, India), Shreesha R Bhat (Global Academy of Technology, India), J N Sai Vamshi (Global Academy of Technology, India), and Vanishree M L (Global Academy of Technology, India)</i>	
Detection of Pneumonia, COVID-19 and Tuberculosis using Deep Learning	12
<i>Giddaluru Vennela (GRIET, India), Bandi Sivasai (GRIET, India), Koyyana Anuhya (GRIET Hyderabad, India), and Mamatha Samsom (GRIET, India)</i>	
A Technique for Detecting Diabetic Retinopathy at All Stages using Deep Learning	17
<i>S. Keerthe (GRIET, India), C. Meghana (GRIET, India), T. Varshith (GRIET, India), M. Dhanush (GRIET, India), and G. L. Sumalata (GRIET, India)</i>	
Improvement In Thermal Issue By using Suitable Dielectric Material And Core For Future IC Integration Applications	24
<i>Galidevara Sai Venkata Meghana (GRIET, ECE, India), Gangineni Chitrush (GRIET, ECE, India), Racharla Akshay Kumar (GRIET, ECE, India), and Asisa Kumar Panigrahy (GRIET, ECE, India)</i>	

Design of Log Periodic Dipole Antenna with Koch Fractal	30
<i>Salla Raju (GRIET, India), S.Harsha Vardhan Goud (GRIET, India), Shaik Jahangeer (GRIET, India), A. Ushasree (GRIET, India), M. Satyanarayana (MVGR, India), and N. Udaya Kumar (MLRITM, India)</i>	
Comparison of Data Augmentation Techniques for Training CNNs to Detect Pneumonia from Chest X-ray Images	35
<i>Jayanth Padigela (Gokaraju Rangaraju Institute of Engineering and Technology, India), Sai Sireesha Balla (Gokaraju Rangaraju Institute of Engineering and Technology, India), Priyanka Akula (Gokaraju Rangaraju Institute of Engineering and Technology, India), and Sravani K (Gokaraju Rangaraju Institute of Engineering and Technology, India)</i>	
Design and Performance Analysis of 3D IC Integration Model for High Frequency and RF Applications	40
<i>Padi Manasa (GRIET, ECE, India), K Sai Venkat (GRIET, ECE, India), VVK Ayushi (GRIET, ECE, India), and Asisa Kumar Panigrahy (GRIET, ECE, India)</i>	
Design of Microstrip Array Antenna for S-Band Frequency Applications	46
<i>Junaid Maqbool Parray (GRIET, India), Arangi Abhinay (GRIET, India), Sudamalla Sai Preethi (GRIET, India), A. Ushasree (GRIET, India), M. Satyanarayana (MVGR college of Engineering, India), and N. Udaya Kumar (MLRITM, India)</i>	
Image Forgery Detection using CNN	52
<i>Gear Geetha (Gokaraju Rangaraju Institute of Engineering & Technology, India), Komarapalem Siri Chandana (Gokaraju Rangaraju Institute of Engineering & Technology, India), Madhavi Gudelli (Gokaraju Rangaraju Institute of Engineering & Technology, India), and K.N.V. Khasim (Gokaraju Rangaraju Institute of Engineering & Technology, India)</i>	
COPD Detection using Respiratory Sounds and Convolutional Neural Network	56
<i>G. Surekha (GRIET, India), Mula Reena (GRIET, India), Mummadi Sai Charan (GRIET, India), and Bathini Aravind (GRIET, India)</i>	
Novel High-Gain Transformerless DC DC Converter Design and Closed Loop Analysis using PI and FLC Approaches	62
<i>Chithra M (CMR Institute of Technology, India) and Shruthi I (CMR Institute of Technology, India)</i>	
Real-Time Hospital Bed Information System During Pandemic Situation	68
<i>Nripesh Kumar Nrip (Bharati Vidyapeeth, Institute of Management Kolhapur, India), Raviraj Chougule (Bharati Vidyapeeth, Institute of Management Kolhapur, India), Megha Sehgal (Bharati Vidyapeeth Institute of Management & Research New Delhi, India), Yashwant Kumar (Bharati Vidyapeeth Institute of Management & Research New Delhi, India), Arvind Rehalia (Bharati Vidyapeeth College of Engineering New Delhi, India), and Rajesh Kanthe (Bharati Vidyapeeth, Institute of Management Kolhapur, India)</i>	

Online Session 2

A Study on Password Manager: Users' Perspective	72
<i>Hriihik Padalia (Bharati Vidyapeeth, Institute of Management Kolhapur, India), Hitesh Patel (Bharati Vidyapeeth, Institute of Management Kolhapur, India), Amarjit Deshmukh (Bharati Vidyapeeth, Institute of Management & Research New Delhi, India), Mahadev Patil (Bharati Vidyapeeth, Abhijit Kadam Institute of Management and Social Sciences Solapur, India), Ajay Kumar (Bharati Vidyapeeth, Institute of Management & Research New Delhi, India), and Nripesh Kumar Nrip (Bharati Vidyapeeth, Institute of Management Kolhapur, India)</i>	
Distribution System Reliability by Considering Operational Failures and Distributed Generation	76
<i>Galiveeti Hemakumar Reddy (DPG Institute of Technology and Management, India), Shobha Rani Depuru (Institute of Aeronautical Engineering, India), Devjani Bhattacharya (DPG Institute of Technology and Management, India), Shruti R Gunaga (Dayananda Sagar College of Engineering, India), Sadhan Gope (National Institute of Technology Agartala, India), and Muralidhar Nayak Bhukya (Central University of Haryana, India)</i>	
Design of Simulink Model and Comparative Study on Solar MPPT using ANN Algorithm for Solar Plant with Partial Shading	82
<i>Mohammed Zubair Kasab (MVJ College of Engineering, India), Galiveeti Hemakumar Reddy (DPG Institute of Technology and Management, India), Shobha Rani Depuru (Institute of Aeronautical Engineering, India), Sruthi R Gunaga (Dayananda Sagar College of Engineering, India), Sadhan Gope (National Institute of Technology Agartala, India), and Gourav Sharma (Jawaharlal Nehru University, India)</i>	
Effective Policies for Managing Electric Vehicle Charging at Parking	87
<i>Veeresh Godara (Deenbandhu Chhotu Ram University of Science and Technology, India), Rajat Yadav (Central University of Haryana, India), Hitesh Sharma (Central University of Haryana, India), and Shobha Rani Depuru (Institute of Aeronautical Engineering, India)</i>	
A Novel Technique for DVR to Mitigate Voltage Sag Issue in Distribution System	92
<i>M Teja (Institute of Aeronautical Engineering, India), M. Laxmi Devi Ramanaiah (Institute of Aeronautical Engineering, India), A Naresh Kumar (Institute of Aeronautical Engineering, India), and P Shiva Kumar (Institute of Aeronautical Engineering, India)</i>	
A Novel Approach to Optimise Credit Risk Prediction with Enhanced SVM and and Hinge Loss	97
<i>Kshitij Dhawan (Vellore Institute of Technology, India) and Naveenkumar Jayakumar (Vellore Institute of Technology, India)</i>	
Development Of a Versatile Wireless Control System using nRF24L01 Transceiver and Arduino Unit	103
<i>Harshit Kumar Pandey (Graphic Era University, India), S Negi (Graphic Era University, India), L. Kothari (Graphic Era University, India), A Jaiswal (Graphic Era University, India), S. Thapliyal (Graphic Era University, India), and M Singh (Graphic Era University, India)</i>	
Voteroid Secure API Gateway Based on Spring Boot Microservices Architecture	109
<i>Kulanshu Sharma (Delhi Technological University, India) and Rahul Rahul (Delhi Technological University, India)</i>	

Clickbait Detection using Bi-LSTM Model	116
<i>Kapil Kumar Yadav (Delhi Technological University, India) and Nipun Bansal (Delhi Technological University, India)</i>	
Detecting the Political Bias in News Articles and Similarity using Word Embeddings in American Journalism	121
<i>Apoorv Kumar Sinha (Vellore Institute of Technology, India), Sanskriti Sanjay Kumar Singh (Vellore Institute of Technology, India), and Shreyas Sai (Vellore Institute of Technology, India)</i>	
Parkinson's Disease Detection & Self-Stabilizing Spoon with Health Analysis	126
<i>Prof. Veena V Pattankar (Global Academy of Technology, India), Bodela Yuktha Sikhara Sai (Global Academy of Technology, India), Daniya Muzammil (Global Academy of Technology, India), and Hassain Ahamed S (Global Academy of Technology, India)</i>	
Brain Disease Diagnosis using Deep Learning	132
<i>Poornaiah Billa (Lakireddy Bali Reddy College of Engineering, India), Bhargavi Nali (Lakireddy Bali Reddy College of Engineering, India), Achyuth Karasu (Lakireddy Bali Reddy College of Engineering, India), and Ramya Boddapati (Lakireddy Bali Reddy College of Engineering, India)</i>	
Multi Technology Ensembled Optimized Enterprise Architecture for Retail Industry	137
<i>Sangita Chakraborty (Koneru Lakshmaiah Education Foundation, India), N M Jyothi (Koneru Lakshmaiah Education Foundation, India), Sushil Lekhi (Lovely Professional University, India), Usha Dutta (Tata Consultancy Services, India), Sachin Dasrath Mestry (Ruparelia Group, Uganda), and Ritesh Prasad (Brainware University, India)</i>	

Online Session 3

Inception-ResNet-V2 Based Skin Lesion Classification for Early Detection and Treatment	143
<i>Srideep Das (Delhi Technological University, India) and Kapil Sharma (Delhi Technological University, India)</i>	
AI Based Infringement Discernment System for Network Security	147
<i>Arpana Prasad (New Horizon College of Engineering, India), V. Asha (New Horizon College of Engineering, India), K. G. Madhwaraj (New Horizon College of Engineering, India), Jincy Mathew (New Horizon College of Engineering, India), Namrata Shet (New Horizon College of Engineering, India), and Naveen Kumar B (New Horizon College of Engineering, India)</i>	
Prediction of Liver Disease using Machine Learning Algorithms	154
<i>Vishwanatha C R (New Horizon College of Engineering, India), V. Asha (New Horizon College of Engineering, India), Arpana Prasad (New Horizon College of Engineering, India), Singh Satyam Manoj (New Horizon College of Engineering, India), Shreya Nanda Kindalkar (New Horizon College of Engineering, India), and Sowjanya R. Bhatt (New Horizon College of Engineering, India)</i>	

Speak to Your Database: Streamlining Human-to-Database Communication with NLP	160
<i>Sthuthi B (Global Academy of Technology, India), Sivani JC (Global Academy of Technology, India), Sathyalakshmi S (Global Academy of Technology, India), and Kamleshwar Kumar Yadav (Global Academy of Technology, India)</i>	
Mutual Consumer Behavioral Community Detection in Facebook's Large Page-Page Dataset using Graph/SubGraph Analysis	166
<i>Bhaskarjyoti Das (PES University, India), Kruthika Suresh (PES University, India), Shrikar Madhu (PES University, India), Smriti Tila (PES University, India), and Yousha Mahamuni (PES University)</i>	
APEC: App Permission Classification with Efficient Clustering	172
<i>Praveen Singh Rawal (Delhi Technological University, India) and Divyashikha Sethia (Delhi Technological University, India)</i>	
Automated Classification of Pathological Types of Lung Cancer - A Machine Learning Approach	178
<i>Sanskriti Binani (Vellore Institute of Technology, India) and Chirag Satapathy (Vellore Institute of Technology, India)</i>	
Validation of Products and Eliminating Counterfeits using Blockchain	184
<i>M. Prabhakar (Vignan Institute of Technology and Science, India), Shivaram Emmidi (Vignan Institute of Technology and Science, India), Nischal Parsi (Vignan Institute of Technology and Science, India), Rajasree Bharatha (Vignan Institute of Technology and Science, India), and Tapaswi Chidella (Vignan Institute of Technology and Science, India)</i>	
Automatic Weed Detection and Killing Robot	189
<i>Poornaiah Billa (Lakireddy Bali Reddy College of Engineering(Autonomous), JNTUK, India), Seva Tharun Sudabathula (Lakireddy Bali Reddy College of Engineering(Autonomous), JNTUK, India), Divya Sree Kasi (Lakireddy Bali Reddy College of Engineering(Autonomous), JNTUK, India), and Mounika Ramichetty (Lakireddy Bali Reddy College of Engineering(Autonomous), JNTUK, India)</i>	
Smart Land Registration using BlockChain	194
<i>Rakesh S (Bangalore Institute of Technology, India), Gargi N (Bangalore Institute of Technology, India), and Hemavathi P (Bangalore Institute of Technology, India)</i>	
Thyroid Nodule Detection and Classification using Deep Learning	200
<i>Samarth Gowda (Bangalore Institute of Technology, India), Thrishul D (Bangalore Institute of Technology, India), Vaibhav B Sheth (Bangalore Institute of Technology, India), Vishwas R (Bangalore Institute of Technology, India), Gargi N (Bangalore Institute of Technology, India), and Hemavathi P (Bangalore Institute of Technology, India)</i>	
Employment of Distinct Machine Learning Algorithms for Predicting Fake Tweets	206
<i>Mohd Umair Rizwan Khan (Aligarh Muslim University, India), Mohd Salman Shahid (Amity University, India), Shubhanshu Swami (Amity University, India), Kalpesh Chauhan (Amity University, India), Nalin Ranjan (Amity University, India), and Ashok Kumar Yadav (Amity University, India)</i>	

Analysis of Different Adversarial Attacks on Various NLP SoTA Models	212
<i>Varsha Maheshwari (NIT Hamirpur, India), Dr. Kamlesh Dutta (NIT Hamirpur, India), and Aanchal Kushwaha (NIT Hamirpur, India)</i>	

Offline Session 1

Analysis and Prediction of Polycystic Ovarian Syndrome using MI Classifiers	218
<i>Neha Nayak (Global Academy of Technology, India), Disha Sriram (Global Academy of Technology, India), Lavanya Sanjay (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Pushpalatha V (Global Academy of Technology, India)</i>	
Distress Detection using A Hybrid SVM - CNN Classifier	224
<i>Modha Varsha (Global Academy of Technology, India), Yukthi R Aithal (Global Academy of Technology, India), Sufia Fathima (Global Academy of Technology, India), and Snigdha Sen (Global Academy of Technology, India)</i>	
Performance Analysis of Machine Learning Algorithms to Predict Water Potability	230
<i>Parnika J (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Ramya C N (Global Academy of Technology, India), and Swarna Laxmi M G (Global Academy of Technology, India)</i>	
Prediction and Classification of Contamination of Pollutants in Air using Machine Learning Algorithms	236
<i>Syed Afreeth S (Global Academy of Technology, India), Aditi N (Global Academy of Technology, India), S Prajwal (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Analysis of Classification Algorithms for Oil Spill Recognition using SAR Data	241
<i>Trishika K (Global Academy of Technology, India), Rakshitha A (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), Pushpalatha V (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Estimation of Stock Price using Machine and Deep Learning Techniques	246
<i>K Akshitha (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Sentiment Analysis of Twitter using Machine Learning Algorithms	250
<i>Rajath N (Global Academy of Technology, India), Kushal V (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), Pushpalatha V. (Global Academy of Technology, India), and Rohini B. R. (Global Academy of Technology, India)</i>	

Analysis and Prediction of Heart Failure using Machine Learning Algorithms	255
<i>Darshan Ramachandra Khatawakar (Global Academy of Technology, India), Sai Akhil MC (Global Academy of Technology, India), Thanushree V V (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Detection of Polycystic Ovary Syndrome (PCOS) using Machine Learning Techniques	261
<i>Jyothi R (Global Academy of Technology, India), Shivani H C (Global Academy of Technology, India), Yashaswi R (Global Academy of Technology, India), Vidyashree Vidyashree (Global Academy of Technology, India), and Sumanth R (Global Academy of Technology, India)</i>	
Personality Prediction using Machine Learning	267
<i>Pooja K (Global Academy of Technology, India), Rakshitha GH (Global Academy of Technology, India), Spoorthi S (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Ashwini K (Global Academy of Technology, India)</i>	
Early Forest-Fire Detection by Linear Regression, Ridge Regression And Lasso Regression	273
<i>Ananya Mandre (Global Academy of Technology, India), Deeksha R. Hebbar (Global Academy of Technology, India), J. Shreya Rao (Global Academy of Technology, India), Ananya Keshav (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Enhancing the Connected Vehicle Security using the SecureAuto Tool	278
<i>Sai Sharanya Anand (REVA University, India), Sandeep Vijayaraghavan (REVA University, India), and Shinu Abhi (REVA University, India)</i>	

Offline Session 2

Analysis of Various Machine Learning Classifiers for Prediction and Classification of Breast Cancer	285
<i>Sneha Sneha (Global Academy of Technology, India), Sanjana Sharma B S (Global Academy of Technology, India), Ruchitha H K (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Performance Analysis of Machine Learning Algorithms for Lung Cancer Prediction	291
<i>Swarna Laxmi M G (Global Academy of Technology, India), Ramya C N (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), and Parnika J (Global Academy of Technology, India)</i>	
Using Machine Learning to Forecast the Risk of Suicide Attempts Over Time	297
<i>Swara Shetty M (Global Academy of Technology, India), Varsha Praveen (Global Academy of Technology, India), H. S. Chinmayi (Global Academy of Technology, India), Bhavitha K S (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	

Text Emotion Detection using Machine Learning Algorithms	304
<i>Chaithanya Dayananda (Global Academy of Technology, India), Hemashree P (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Esha Aravind (Global Academy of Technology, India), Impu D (Global Academy of Technology, India), and Janavi S (Global Academy of Technology, India)</i>	
Machine Predictive Maintenance Classification using Machine Learning	308
<i>Dharithri B Sharma (Global Academy of Technology, India), Sripradha Sripradha (Global Academy of Technology, India), Nikita Nikita (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Spam Email Classification by Deep Learning	314
<i>Chinmayee Sai (Global Academy of Technology, India), Joanna Natalie R (Global Academy of Technology, India), Likitha Lingaraju (Global Academy of Technology, India), Neha Y S (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Water Quality Assessment using Machine Learning: A Comparative Analysis	320
<i>Aditi P Bellur (Global Academy of Technology, India), Vasu Kiran VL (Global Academy of Technology, India), Shivani Choudary K (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Pushpalatha V (Global Academy of Technology, India)</i>	
Prediction of Myocardial Infraction using Machine Learning Algorithms	326
<i>Koushik Singh C Rajput (Global Academy of Technology, India), Manoj Kumar (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Rohini B R (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Pushpalatha V (Global Academy of Technology, India)</i>	
Parkinson's Disease Analysis Using Logistic Regression	333
<i>Anita S Sastry (Global Academy of Technology, India), Vidya U K (Global Academy of Technology, India), Srusthti Srusthti (Global Academy of Technology, India), and Harshitha T (Global Academy of Technology, India)</i>	
Performance Analysis of Machine Learning Algorithms for Password Strength Check	338
<i>Divya R (Global Academy of Technology, India), Gaganashree Gaganashree (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Dharshini V (Global Academy of Technology, India), and Deepika S (Global Academy of Technology, India)</i>	
Machine Learning Based Graduate Admission Prediction	344
<i>Ananya R Patel (Global Academy of Technology, India), Bhuvana K S (Global Academy of Technology, India), Dhanya R S (Global Academy of Technology, India), D A Akshay (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), and Tushar N (Global Academy of Technology, India)</i>	

Analysis of Nutritional Status of Children in Karnataka Based on Machine Learning Techniques using Indian Demographic and Health Survey Data	349
<i>Anjali Sharma (JSS Academy of Technical Education, India) and Rohitaksha K (JSS Academy of Technical Education, India)</i>	

Offline Session 3

Drug Classification Analysis using Different Machine Learning Algorithms	355
<i>Impana Anand (Global Academy of Technology, India), Madhura M (Global Academy of Technology, India), Varshitha V S (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Performance Analysis of Machine Learning Algorithms for Instagram Post Reach Analysis	361
<i>Chandan T D (Global Academy of Technology, India), Dilip J (Global Academy of Technology, India), C M Girishwar Reddy (Global Academy of Technology, India), Bhavana C S (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), and Chaitanya Grampurohit (Global Academy of Technology, India)</i>	
COVID-19 Detection using Deep Learning	367
<i>Rahul S Srivastava (Global Academy of Technology, India), Abhishek R (Global Academy of Technology, India), Rahul P O (Global Academy of Technology, India), J.S.Noor Mohammed (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Analysis of the Security Features of Banknotes to Facilitate Authentication	374
<i>Archana D. Naik (Global Academy of Technology, India), Chirag Goenka (Global Academy of Technology, India), Asra Fathima (Global Academy of Technology, India), Anagha TS (Global Academy of Technology, India), Aneesh R Thimmapurmath (Global Academy of Technology, India), and Shridhar B. Devamane (Global Academy of Technology, India)</i>	
Reinforcement Learning for Elevator Control	379
<i>Vasukiran V L (Global Academy of Technology, India), Aditi P Bellur (Global Academy of Technology, India), Shivani Choudary K (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Fingerprint Liveness Detection Using Deep Learning	383
<i>Nishanth M (Global Academy of Technology, India), Harsha Kumar M R (Global Academy of Technology, India), Karun Nag M G (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Ashwini K (Global Academy of Technology, India)</i>	
Online Payment Fraud Detection using Machine Learning	389
<i>Lochan S (Global Academy of Technology, India), Sumanth H V (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Rohini B. R. (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Pushpalatha V. (Global Academy of Technology, India)</i>	

Performance Analysis Machine Learning Algorithms for Stress Detection	395
<i>Dharshini V (Global Academy of Technology, India), Deepika S (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Divya R (Global Academy of Technology, India), and Gaganashree Gaganashree (Global Academy of Technology, India)</i>	
Machine Learning Algorithms for Fake Profile Detection using Twitter Data	401
<i>Manojkumar K M (Global Academy of Technology, India), Gururaghavendra Gudikoti (Global Academy of Technology, India), Naveen J (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), and Lakshmikantha G. C (Global Academy of Technology, India)</i>	
Fake News Detection using Recent Machine Learning Algorithms	406
<i>Ahmed Yahya Adam (Global Academy of Technology, India), Shrimadhu N Bhat (Global Academy of Technology, India), Lakshith M Y (Global Academy of Technology, India), Shashank K C (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Student Academic Performance using Machine Learning	413
<i>Poojitha N (Global Academy of Technology, India), Janani Rajshekar (Global Academy of Technology, India), Shree Raksha K A (Global Academy of Technology, India), Sindhu Sindhu (Global Academy of Technology, India), Shoaib Kamal (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Credit Card Fraud Detection using Machine Learning Algorithms	419
<i>Anagha T S (Global Academy of Technology, India), Asra Fathima (Global Academy of Technology, India), Archana D. Naik (Global Academy of Technology, India), Chirag Goenka (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), and Aneesh R Thimmapurmath (Global Academy of Technology, India)</i>	
Author Index	425