2025 Annual International Conference on Data Science, Machine Learning and Blockchain Technology (AICDMB 2025)

Mysuru, India
27-28 June 2025

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

Conference Record # 64359

**2025 Annual International Conference on Data Science, Machine Learning
and Blockchain Technology (AICDMB)**

TABLE OF CONTENTS

7	195	Muntasir Maruf, Nahid Hasan Nobil, Shusmita Anjum Aziz, Md. Nishaduzzaman Khandoker, Md Saef Ullah Miah, Abhijit Bhowmik	Predicting Emotional Well-Being from Social Media Usage: A Machine Learning Approach	963256	35
8	197	Sakib Hossain, Afzalul Abid Nazir, Subrina Islam Prity, Islam Saiful, Md Saef Ullah Miah, Abhijit Bhowmik	Predicting Academic Performance: Machine Learning Insights into GPA Determinants	963260	41
9	200	Tejaswini M, Anil Kumar K M	A Comprehensive Review of Emotion, Sentiment, and Offensive Language Identification in Code- Mixed Data	963318	47
10	243	Pooja H, Shivakumar C, Punarvika Neeluri, Shreya K, Sharani P Sai, Varun V	Leveraging Textual Analysis and Predictive Modeling for Tourism Insights in India: A Machine Learning Approach	963276	56
11	263	Arun C Dixit, Harshavardhan B, Prakasha K N	A Machine Learning Approach for Predicting Diabetes Risk with Real-Time Deployment	963346	61
12	287	Sathwik Reddy,Aditya Kothapalli, Aaryan gera, Neetu Srivastava	Handwritten Digit Recognition Using SVM with Gradient Optimized RBF Kerne	963330	69
13	288	Harsh Dhoke, Subhashish Nayak, Pabitra Mohan Khilar	Data Imputation using Machine Learning for Enhanced Predictive Modeling	963284	76
14	306	Chandsab Engineer, Chinmay Paranjape, Prathamesh Chitnis, Kushal Kaparatti, Umesha Somanatti, Satish Bhojannawar	SDN-Based Real-Time Network Forensics and Anomaly Detection System	963298	81
15	310	P Seshanth Vishal, Kishore N, Aakaash Pavangat Anoop, Kamatchi S, Giriraja CV	AI-Driven Sentiment Analysis for Cryptocurrency Price Forecasting using GreedyBoost	963340	92
16	341	Lochana Balivada, Priyadharshini S	Performance Analysis of YOLO Models for Real-Time Surveillance Object Detection	963326	98

17	343	Smita Ravi Naik,Sushma,Ullal Mohammed Adhif,Naveesh Kumar,Vidya	DDoS Attack Detection And Classification Using Machine Learning Algorithms	963266	103
18	367	Jowin Joseph Raju , Jithin Johny , Jeevan George , Angel Rose Benny , Aswathy James , Dr.Renjith Thomas	Offline Proctoring Using YOLOv8 and VGG-16	963322	110
19	368	Jowin Joseph Raju , Jithin Johny , Jeevan George , Angel Rose Benny , Aswathy James , Dr.Renjith Thomas	Automated Trading Bot using Long Short-Term Memory	963320	116
20	370	Ndubuisi Godcares , Mohammed Basumeih, Anurag Mogal, Madhuri Hiwale	Integration of SARSA-Based Automated Trading Algorithms with Blockchain Technology for Asset Tracking and Management	963328	122
21	372	Aishwarya M,Harshitha Suresh ,Anilkumar B H,Hithendra B M ,	Enhancing object detection and alerting the severity of collision using YOLO	963344	128
22	389	Dyamalli K, Rupalagudi Likhitha, Y Harshitha Reddy, Monica N, Arshiya Lubna, Ashishika Singh	Subsidy-Chain: A Secure Blockchain-based Architecture for Subsidy Management and Tracking	963292	136
23	403	Pradyumna R N, Piyush Singh, Trupthi Rao, Ashwini Kodipalli	Financial Risk Assessment of an Individual Using Fuzzy Logic	963294	145
24	404	Harshitha P, Lekhana R, Trupthi Rao, Ashwini Kodipalli	Weather Predictions Using Fuzzy TOPSIS & Fuzzy AHP	963296	152
25	405	Mahendra Keerthi K, Pavan H S, Trupthi Rao, Ashwini Kodipalli	Recommendation of Movies using Fuzzy AHP and TOPSIS	963300	158

26	407	Harini CJ, Hareni M, Shamil Saidu, Dhedeep Reddy, Suja Palaniswamy	Interactive Brain Activity Enhancement Using Hand-Based Exercises: A Game for Alzheimer Patients	963324	163
27	418	Kumar P, Senthil Pandi S, Bharath Kumar L, Karthick R	Healthcare Data Exchange: Ensuring Security Through Blockchain Technique	963306	169
28	422	Kumar P, Senthil Pandi S, Bharath Kumar L, Karthick R	Detecting and Analyzing Sarcasm and Irony in Social Media Text Using Multimodal Approaches	963308	175
29	431	Kumar P, Senthil Pandi S, Bharath Kumar L, Karthick R	Optimizing Fertilizer Application in Precision Agriculture Using Deep Learning and Soil Sensor Data	963310	181
30	432	Kumar P, Senthil Pandi S, Bharath Kumar L, Karthick R	Computer Vision and Deep Learning for Weed Identification and Categorization in Agricultural Fields	963312	187
31	450	Uma Mahesh R N, Anvitha G H, Arpitha V G, Vandana H, Neha Khanum	Skin Cancer Classification Using Deep Learning Techniques	963264	193
32	472	Shubham Kumar, Subhashish Nayak, Pabitra Mohan Khilar	Data Imputation based on Fuzzy C-Means Clustering with various Similarity Measures	963280	197
33	480	A.Rajagopalan, Dr.C.Vijayabanu	Machine Learning and Neural Network Models for Predicting AI Usage towards Workplace Happiness, and Work Engagement: An Emotional Intelligence Perspective	963332	203
34	492	Munna Prasad Gupta, Penmatcha Ganga Puneeth, Aryan Kumar Sah, Tania Ganguly, Peeta Basa Pati	Exploring Translation Approaches Using Different Models	963302	209
35	493	Biddappa M M ,Hamsaveni M ,Himalatha M, Manoj M K, Monisha A	Detection Of Deepfake Images	963350	215
36	496	Uma Mahesh R N, Raksha S, Shwetha N, Nikhilakumara K M, Sushmitha V	3D Object Classification Using Deep Learning	963262	223

37	499	Nipun Sharma, Swati Sharma, Prafulla Kumari K S, Komalavalli C, Asha M, Gnanaprakash V	IPFS - A Critical Review on Progression towards Web3	963254	229
38	538	Vasuki Vinayaka M, Tanuja Kayarga, Chitra Sathish, Rohith S, Suhas B R	DRISHTISHRAVYA : Vision and Sound	963252	233
39	562	Chandana L, Bhavana Maili, Shane Mathew, Chinmay R, Pruthvi P R	GAN-Powered Brain Tumor Imaging: Generating Brain Tumor MRI Images with DCGAN	963348	239
40	637	Suhas Bharadwaj R, Dr. Vedavathi N, Harshitha Suresh, Aishwarya M	ASL Gesture Recognition and Speech Conversion	963314	245
41	644	Uma Mahesh R N, Tejasvi Jois S, Sujith L B, Sujan A T, Rakesh Kumar S	Predicting Stock in News Headlines Using Deep Learning	963246	251
42	650	Paramesha, Hamsaveni M, Soumya B J	Artificial Intelligence Driven Curriculum Development: Challenges and Modalities	963342	258
43	664	Chinmai H K, Dhyan Devaiah, Chiranth V, Harsh Vardhan Dwivedi, Shraddha C	Speaker Recognition in Noisy Environment using ECAPA-TDNN	963336	265
44	749	Chandan Prakash, Akshatha M, Anil Kumar B H, Lakshmi B S, Ashwini P	Integrated Web Based Augmented Reality (AR) and AI for Immersive Booking Experience	963272	269
45	750	M.Sneha ; A. Mohamed Ibrahim ;Sam D Sathya seelan ; Leena Jenefa;M. Jayakumar;Ashok Kumar S.	Ethics of AI in Technological Interruption: Discomfort on Employee Job Insecurity and Turnover	963316	275
46	755	Susan Shaju	Approximation sub-band based Hadamard Wavelet Transform method for detecting Real and Fake Biometric Fingerprints	963244	281
47	763	Babitha Ganesh, Nagaraja Thamankar,Pratheek Nayak B K,Skanda B H,V Suraksha Pai, Shivani A S	Generative AI Powered Modern Education Tool to Enhance Teaching Learning Experience	963268	286
48	766	Shravya P, Shreyas S Tikotikar, Smaran Nanjundiah G, Dr. S. Geetha	Full-Stack based Student Management System & Proactive Dropout Mitigation of School Students using Machine Learning Algorithms	963258	292
49	777	Venkatesh Prasad C , Gayana J Kumar, Vinayashree S N, Lakshmi	Animals intrusion detection and prevention system using IOT and ML in the Agriculture field	963352	298

		B S, Chaya kumari H A, Kavitha D N			
50	788	Leena Chandrashekar, Vansh Agarwal, Surya Pratap Singh, Shivam Kumar Giri, Utkarsh Kumar Singh	AI-Powered Assessment Tool for Emotional Health	963288	305
51	815	Tanisha Rani B, Thrupthi T, Varshini K, Priyanka S	Automated Dataset Classification and Architecture Search for Multi-Model Data Processing	963290	311
52	820	Sharvari H M ,Priyanka S, Sanjana Murthy,Vishnu Priya K R	Solar Panel Defect Detection	963334	316
53	822	D Rajeswara Rao ,Chikkala Rohith Kumar, Barthi Abhishek, Kanchadapu Harsha Vardhan	Comparative Analysis of Electric Vehicle Market Size Prediction Using Core ML and NVIDIA CUDA	963278	321
54	828	Dr. Jayasri B S, Prathik C, Samanyu K, Srivathsa Batni, Sreekhar Srivatsa	Emotion-Driven Music Curation Using CNN and Dynamic Data Source Integration	963286	327
55	831	Prithviraj Sai Niranjan, Rekha K S	Data Deduplication System Using Machine Learning	963356	336
56	842	Syed Mehran Raza, Madiha Vahaj, Vibha Nehra	Retrieval Augmented Generation (RAG) using LLMs	963304	343
57	847	Prajwal G S,Aishwarya Deepak,Varshini J,Sharath Kumar K R,Ravi Kumar V,Gagana S,Vijay Kumar L,Manjunath G	Stage-wise Late Blight Disease Detection in Tomato Plants Using Deep Learning Models along with Treatment Recommendation	963338	348