List of accepted papers: 8th icSoftComp2026

Note:

- The acceptance emails have been sent to the authors of accepted papers. If you have not received it, please email kanupatel.mca@charusat.ac.in.
- Authors are requested to complete the registration process as per the date mentioned in the acceptance email.
- If you have any queries, please email kanupatel.mca@charusat.ac.in

Sr.#	PaperID	Title
1	1	Scale-Invariant Severity Grading of Structural Cracks via Multi-Domain Deep Learning
2	7	Multimodal Fusion Architecture for Arecanut Yellow Leaf Disease Detection using ViT and BERT
3	33	DLC: A Multi-Model, Adaptive-Precision Near-Lossless Compression Engine for High-Frequency Float64 Time-Series Telemetry
4	37	An Explainable AI Framework Based on Transfer Learning for Tuberculosis Detection
5	41	NC-MedAI: Geometry-Aware Training via Fixed Equiangular Tight Frame Heads for Imbalanced Dermoscopic Skin-Lesion Classification
6	42	A Radiomic Framework for Non-Destructive Quality Grading of Arecanut from X-ray Images
7	45	Physics-Regularized Deep Unfolding for Joint Channel Estimation, Interference Prediction, and Resource Allocation in IoT Networks
8	49	Analysis of Students' Learning Paths in Online Educational Platforms

9	85	Human body Posture Classification and Analysis using Deep Transfer Learning
10	94	Overcoming Feature Toxicity in Multimodal Emotion Recognition via Heterogeneous Graph Neural Networks
11	95	An AI-based Virtual Screening Framework for Drug-Induced Liver Injury Prediction Using Molecular Descriptors
12	98	SAGE-GAT-HIDS: A Self-Supervised Graph Neural Network Framework for Label-Free Host-Based Intrusion Detection
13	101	Robust Marathi Sentiment Analysis using Domain-Adaptive Pre-training and Data Augmentation Approaches
14	105	Integrated Data Mining (NJB-LigToxTM) and Molecular Modeling Approaches for Predicting the Safety and Efficacy of Natural Inhibitors of Skin Tyrosinase
15	115	Combating Online Recruitment Fraud Using RoBERTa-Based Multi- Modal Deep Learning with Explainable AI
16	117	Automated Detection of Online Recruitment Scams Using Multinomial Naïve Bayes
17	118	System Design and Evaluation of a Coordinated Real-Time Fall Detection Platform for Institutionalized Elderly Car
18	122	Context-Aware Continuous Stress Prediction from Multimodal Smartphone and Wearable Signals
19	125	AdaptSumm: Adaptive Multi-Modal Document Summarisation System
20	131	A Proposed Framework for Alzheimer’s Disease classification: Lobe-Wise Analysis
21	135	Three-Stage Network DEA for Long-Term Efficiency Optimization

22	143	Cross-Modal Temporal Fusion for Five-Day Directional Forecasting of NIFTY 50 Stocks
23	149	An Enhanced Bio-Inspired Algorithm For Optimal Feature Selection for Deep Learning Based Mango Leaf Disease Classification
24	162	Future Perspicuity, Parental Influence, University Support, and On-Time Graduation Intention of Vietnamese Students: A Theory of Planned Behavior Perspective
25	164	LLM Vs Transformers: A quantitative and statistical evaluation of Movie Review Classification
26	168	Text Summariser using Fine-Tuned T5 Transformer
27	169	Robust Weakly Supervised Video Anomaly Detection through Training Signal Refinement
28	176	Hybrid GA-PSO Algorithm for Data-Driven Supply Chain Cost Optimization
29	178	Hostel Noise Classification Using Transfer Learning on Mel-Spectrograms: A Benchmark Study
30	186	Design and Performance Evaluation of a Hybrid Microwave–Resonant Inductive Wireless Power Transfer Architecture for Intelligent Electric Vehicle Charging Applications
31	194	Intelligent Medical Text Classification from Discharge Summaries Using Deep Learning-Based NLP Techniques
32	199	An AI-Driven IoT Mobile Framework for Real-Time Smartwatch-Based Smart Health Monitoring and Intelligent Alerting
33	200	Value-Driven Inventory Optimization Under Supply Chain Disruptions: A Simulation-Based Decision Support Framework
34	210	Hyperparameter Tuning in Stochastic Gradient and Resnet Ensemble Approaches for Robust Flower Species Detection

35	219	Proton Exchange Membrane Fuel Cells parameter estimation using Adaptive Marine Predator Algorithm
36	221	Scored Temporal Graph Reconstruction of Attack Episodes from Noisy Flow-Based IDS Alerts
37	228	A Continual Learning Framework for Noise-Robust Surface Defect Discovery
38	230	Parameter-Efficient Continual Learning for Blood Glucose Forecasting using Frozen Time-Series Transformers and a Multi-LoRA Adapter Hub
39	242	Quantifying Corrosion Severity using Bounded Box Area Ratios: A Novel Explainable Deep Learning Approach
40	246	Scalable Task Scheduling Algorithm for Cloud IAAS Using Marine Predator Algorithm
41	247	A Privacy-Preserving Federated Neuro-Fuzzy Framework for Smart Grid Stability Prediction with Multi-Objective Rule Optimization
42	250	SlideTuner: PowerPoint Slide Design via OOXML Generation and Preference Optimization
43	266	Risk-Aware Step-Up Authentication: A Dynamic Assurance-Level Model for Secure Patient Access to Health Data
44	275	Solution framework for AI driven Application Testing with Advanced Intelligent Systems
45	283	Empirical Analysis of Probabilistic Frameworks for Photometric Redshift Estimation Using SDSS Data
46	285	Quality-Conditioned Multi-View Fusion for Inter-Patient Arrhythmia Classification on the MIT-BIH Database
47	290	MArtAE: A Unified Architecture for Real-Time Audience Experience Analytics at Live Events

48	292	Trustworthy Machine Learning for Hypertension Prediction: A Leakage-Controlled Benchmark on NHANES 2009-2018
49	305	AME-CNN: A Compact Convolutional Neural Network for Automated Five-Class Ovarian Ultrasound Image Classification
50	309	Lightweight Image Encryption Using Bernoulli Map and CA Rule 90 for IoT Applications
51	320	Smart collaborative platforms for tourism experiences
52	333	ResQTrack: User-Centric Design and Prototype Validation of a Cloud-Integrated IoT System for Inclusive Disaster Preparedness
53	339	Attention Is Not Attribution: An Empirical Evaluation of Graph and Sentiment Models for Commodity-Shock Transmission
54	340	Myths of Large Language Models: Lessons Learnt from Explainable Artificial Intelligence
55	342	AI-Powered Facial Image Analysis for Personalized Anti-Aging Skincare Recommendations.
56	350	FL-QBAD: Federated Learning with Quantum Byzantine Anomaly Detection
57	353	A Software Architecture for EEG-Enabled Business Applications: Mock-Jury Analytics and Virtual-Reality Control
58	354	An Intelligent Software Suite for Generating Source Web Code Based on Recursive Analysis of Graphical Interfaces with Support for Various LLM Providers
59	355	Evaluating XGBoost and LSTM for Cross-Sectional Stock Selection: Nested Walk-Forward and Portfolio-Value Evidence
60	357	SummarEase: Document-grounded Structural Parsing and Domain-Adaptive Summarization for AI-Enhanced Academic Learning

61	363	Auditing Overfitting and Configuration Drift in a Bi-GRU GloVe Depression Detection Pipeline
62	371	Predicting Critical Quality Attributes of Lipid Nanoparticle Formulations Using Machine Learning: A Comparative Evaluation of Regression Algorithms
63	378	Decentralized Longitudinal Speed Control for Cooperative Platooning: A Physics-Informed Reinforcement Learning Paradigm and Benchmark
64	379	Continuous Over Discrete: A Unified Benchmark of Reinforcement Learning for Traffic Signal Control
65	381	Class-Specific Prompt Learning for Fine-Grained Sports Recognition Using CLIP: A Study on Sports-102
66	386	Smart Medical Technology: PillHub for Enhancing Medication Adherence and HIV Awareness
67	391	Quantum-Amplitude Perturbation Deep Reinforcement Learning for Vehicle Routing Problems
68	392	PayBand: A Secure Biometric and Audio-Guided Wearable Payment System for Visually Impaired Users
69	397	[Final] Resource-Efficient Skeleton-Based Lying-Posture Recognition: A Per-Frame Architecture Comparison
70	402	A Universal Dependencies-Based Framework for Part-of-Speech Annotation for Newari(Nepal Bhasa)
71	407	ViTraj++: A Vision-Enhanced Model for Traffic Trajectory Prediction
72	414	An Electric Vehicle Battery prognostics using LSTM model
73	420	Beyond Attention: Revisiting CNN–Vision Transformer Fusion for Image Classification

74	424	HTS-Transformer: A Hybrid Tabular–Sequential Transformer Framework for Rainfall Classification and Environmental Monitoring—A Case Study in the Kurdistan Region of Iraq
75	430	A Human-centred Explainable Framework for Multi-Country Road Damage Classification
76	461	A Comprehensive Benchmark of Deep Learning Architectures for Tissue-Level Diabetic Foot Ulcer Segmentation
77	463	Neural Localisation of Fire-Induced Stiffness Degradation in a Steel Frame from Ambient Vibration Monitoring
78	464	Risk-Aware Multi-Modal LLM Agents with Memory for Cognitive Autonomy in Mars Exploration
79	465	Feature-Based Machine-Learning Detection of JUnit Test Smells: A Cross-Project Study on Apache Commons Libraries
80	467	From HEI Components to Monotonic Rule States: Survey-Aware Development of an Auditable Dietary Representation for Prevalent Metabolic Syndrome in NHANES
81	470	Reproducibility Audit of Published Linear Programming Examples Using the Quasi Unit Matrix Method
82	474	Human-Centred Orchestration of Generative Artificial Intelligence for Statistics Learning in Economics: An Expert-Validated Framework
83	475	Park Feedback Sentiment Analysis: an Approach Combining Word2Vec, XGBoost and Modified Variable neighborhood search
84	478	Assessing the Impacts and Predictors of Venture Capital on Vietnamese Green Innovation Startups Using a Data-Driven Approach
85	484	A robust simulated annealing framework with binary search and parallel computing for Type-II assembly line balancing with parallel workstations
86	485	Exact solver, simulated annealing and genetic algorithm for an opportunistic sensing optimization problem

87	491	A Two-Phase Explainability Assessment for Motor Insurance Lapse Prediction and Time-to-Event Risk Analysis
88	497	Multi-Lens Explainability as a Verification Mechanism for Trustworthy Federated Intrusion Detection: A Conceptual Framework
89	501	US2T: Explainable Test Case Generation from User Stories
90	502	Automated Test Suite Generation for Access Control Policies Using Case-Based Reasoning and Reinforcement Learning
91	505	MA-TBLF: Multi-Anchor Tail-Boosted Logit Fusion for Long-Tail Medical Image Classification
92	506	Bridging the Semantic Gap in Multimodal AI via Latent Visual Concept Discovery: A Case Study on Skin Lesion Diagnosis
93	507	A Robust Framework for Megakaryocyte Subtype Classification based on Knowledge-Alignment
94	510	DEEP-Depth: A PSO-Enhanced Hybrid System for Traffic Anomaly Detection, Vehicle Counting and 3D Scene Reconstruction
95	513	A Dynamic S-Box-Based Image Encryption Scheme for Secure Image Communication
96	514	DaVIL: Distance-aware Variance-in-Logits for Reliable Medical Image Classification
97	516	RS-TSB: A Rough-Set Guided Otsu-Morphological Segmentation Framework with Region-Adaptive Tinkerbell, Sine and Baker Chaotic Maps for Image Encryption
98	517	VERA: Privacy-by-Design Verifiable Analysis of Private Documents
99	519	Real Time Privilege Escalation Detection Using eBPF and a Bag of System Calls ML Pipeline

100	524	KolamHS-Cipher: A Lightweight Hierarchical Scrambling and Diffusion Framework for Secure Color Image Encryption Using Kolam Patterns
101	535	A Miniaturized Single-Layer Dual-Band Directional Antenna for Smart IoT Sensors
102	539	Sequence Bounding Box Portfolio Method for Deep Learning Based Thin and Elongated Road Crack Detection
103	557	A Legal-Aware Sentence Importance Scoring Framework with Adaptive Sentence Masking for Abstractive Legal Document Summarization
104	563	Onboard Intelligence for Aerial Security: A Field-Validated Jetson Orin Nano, YOLOv8 and ROS2/PX4 Drone Surveillance Platform
105	564	AI-Driven Solid Dispersion and Semisolid Matrix Techniques for Enhancing the Solubility of Rilpivirine Hydrochloride Formulations
106	566	ChainCrypt – Traffic: A Hybrid Decentralized Security Model for Secure Real-Time Traffic Data Exchange in Smart Urban Systems
107	569	Adversarial Robustness of AI-Based Phishing Detectors in Financial Services
108	570	Doppler-Aware Quantized RIS Phase Design for Secure High-Mobility V2I Communication
109	574	Vector-0\mathbf{0} for Constraint-Rich Covering Linear Programs: Distance-Normalized Constraint Selection and Computational Analysis
110	578	Impact of Cognitive Alteration on Classification Performance in EEG Brain Computer Interface.
111	579	Deep Learning Architectures for Mitigation of Variations in EEG Characteristics based on Within-Subject Motor Imagery Classification
112	593	Explainable Stacked Ensemble Learning for Breast Tumor Classification Using Morphological Features

113	601	Explainable ML Framework for Early Prediction of Gestational Diabetes Mellitus Without OGTT Using LLM-Assisted Clinical Report Analysis
114	612	An Explainable EEG Marker Analysis for Parkinson's Disease Classification using Multiscale Fuzzy Entropy and Functional Connectivity
115	614	Apply Artificial Intelligence For Improving Patient Satisfaction: Empirical Analysis Of Public Cahps Data
116	616	Investigation of Performance Influencing Factors in Early-Stage Diabetic Retinopathy Detection Based on Deep Neural Network
117	621	Forecasting Generation Volumes and Simulating Automated Polymer Classification for Plastic Waste Management in India: A Dual-Model Feasibility Study
118	636	When There Is No Corpus
119	641	Beyond the Grade Boundary: Deep Regression of Total Soluble Solids in Lychee Resolves Within-Grade Variation That Colour Features Cannot
120	644	A hotness-aware adaptive dual-region schema in time-series analytics
121	645	Barriers to Cloud-based Infrastructure as a Service Adoption in Higher Education: A Case Study in a Developing Economy
122	648	Variable Reduction for Prediction Model Optimization Using a Modified Genetic Algorithm with an Extreme Pairs Bi-Segmented Average Crossover (EPBAX) Operator
123	658	Design and Optimization of Advanced 5G Millimeter-wave Phased Array Antenna Using Soft Computing Approach
124	661	A Skill-Based Job Recommender System Driven by GitHub Portfolio Analysis
125	662	A Data-Driven Machine Learning Framework for Short-Term Rental Valuation: The Case of Athens
126	668	Reactive Power in Low Frequency NILM: a DTW Template-and-Subtract pipeline with edge deployable laod forecasting

127	669	Uncertainty-Aware Healthcare Claims Payment Prediction Using Conformal Calibration
128	672	End-to-end system for disease prognosis with a chronological order of tree-based machine learning methods integrating data balancing and Bayesian optimization
129	703	Constraint-Aware Technological Product Recommendations via Multi-Agent RAG Architecture
130	705	Institutional Benchmarking of Thailand's Solar PV Testing and Regulatory Ecosystem: Insights for Strengthening Philippine Solar PV Standards and Technical Capability Development
131	708	Design of a UML Profile for Modeling AI-Based Fraud Detection Systems in Financial Services
132	715	Cycling Degradation-Aware Mixed-Integer Optimization of Distributed Battery Dispatch in a Community
133	733	Multi-modal approach for Word Familiarity Classification using Eye Responses and EEG Signals
134	734	BiLSTM based BCI-Driven Approach for Classifying Attention State of Vehicle Drivers
135	739	Latency-Aware Multi-Sensor Fusion for Autonomous Bird–Drone Collision Avoidance on UAVs
136	741	A Two-Stage Framework for Textual Sign Recognition in Complex Traffic Environments
137	745	A Comparison Study on Deep Learning-Based Models for Traffic Sign Recognition
138	746	A Hybridized Schrödinger Optimizer with Hill Climbing for Solving the Pressure Vessel Design Optimization Problem
139	747	QPSO and QWOA: Novel Quantum-Based Swarm Task Scheduling Algorithms for Cloud Environments
140	749	Resynchronization-Free Freshness Validation Mechanism
141	755	[Latest Version] A Markov Chain-Based Forecast of Solar Photovoltaic Technologies in the Philippines Using a National Solar PV Component Catalog Database
142	764	From Propositions to Prediction: A Machine Learning and Statistical Framework for Evaluating Employer Branding Factors in Gujarat's IT Industry
143	768	Robust Violin Tone-Quality Retrieval through Acoustics- and Instrument-Aware Data Augmentation
144	769	TimeGPT, LGBM and N-HITS models in Forecasting Time-series Electricity Load Data