

ICISPD 2025 – List of Accepted Papers

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6	Detecting Suspicious Lexical and Contextual Patterns in Domain Names Using a CNN-Bidirectional LSTM Hybrid Approach
18	Simplifying Network Forensics with a Low Weight Modular Packet Sniffer for Cybersecurity Applications
21	Volatile Memory Forensics of Electrum Bitcoin Wallets: Artifact Recovery and Security Implications
24	Video Authentication in Digital Forensics: A Systematic Approach
26	A Secure and Lightweight Authentication Framework for IoT Enabled Implantable Medical Devices
29	Optimized Machine Learning Model in Detection of Malware in Images, Url's and QR codes
36	A Secure and Intelligent Data Transfer System for Cloud Environments using Hybrid Cryptography and Deep Learning-based Intrusion Detection
43	Sustainable High-Throughput Ensemble Threat Detection on UNSW-NB15 via Multi-Stage Anomaly Detection Pipeline
44	Improving the Detection of AI-Generated Social Media Content Using Advanced Intelligent Methods
45	Proactive AI-driven SDN framework for Intelligent Threat Detection in Healthcare Systems
50	Significance of Digital Identity Management in the Metaverse
51	Multi-Modal Deepfake Detection System Using Visual, Audio, and Temporal Cues
56	AI Agentic Framework for Advanced NLP Network Intelligence
59	Comparative Analysis of Graph-Based Approaches for Malware Detection in Cloud Environment
64	TB-IDS: A Hybrid Cryptographic and Transformer-Based Intrusion Detection Framework for Secure and Adaptive IoT Communication
65	Analyzing Cross-Site Scripting (XSS) Detection Tools
66	Botnet Detection on CTU-13 Using Lightweight Machine Learning Models
67	Next-Generation Vulnerability Assessment: Agentless AI-Powered Framework
70	Advancements and Challenges in Digital Forensics- A study of Emerging Domains
73	India-CERT Incident Simulation and Reporting Training Portal
75	A Hybrid Deep Learning and Threat Intelligence-Driven Framework for Filtering Malicious DNS Traffic
77	Hybrid Intrusion Detection System for Network Security: Real-Time Signature and Machine Learning-Based Anomaly Detection
78	A Privacy-Enhanced NER Framework Using BERT and Opacus

80	A Cyber Forensics Approach to FPV and Non-FPV Drone Technologies
82	Adaptive Stealth Attacks on IIoT Network: A Simulation-based Comparative Study of Reinforcement Learning Approaches using CyberBattleSim
83	Blockchain-Enabled Self-Healing IoT Framework for Predictive Fault Management in Aviation Systems
87	Adversarial Vulnerability Assessment of Social Data Models for Defensive Cyber Operations
89	A Cybersecurity-Oriented Risk Assessment Framework for Multi-Party Digital Asset Custody Operations
11	DDoS detection in cloud using target OS parameters and page transitions
16	Secure Real-Time Object Detection on UAVs Using YOLO11n with Per-Frame SHA-256 Logging
30	Secure Password Management & Intelligent Data Recovery Techniques in Modern Systems
34	Neural Threats: Cybersecurity Implications of CNN- and RNN-Based Deepfake Detection
40	Advancing Deepfake Detection Through Enhanced Deep Learning Approaches: A Step Towards Live And Streaming Applications
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20	Bulk Threat Analyzer: An AI-Powered Multi-Source Threat Intelligence Tool
23	A Privacy-Preserving Federated Learning Framework with Multi-Key Homomorphic Encryption for Collaborative Malware Analysis in Cyber Forensics
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