

Journal of Advances in Information Technology

CONTENTS

Volume 17, Number 7, 2026

- Improving Traffic Flow: Intelligent Traffic Light Event Simulation by Integrating V2V and V2I Communication Models1243
Abdullah Alsaleh
- A CNN-BiLSTM Hybrid for Plant Leaf Disease Classification: Comparative Performance Evaluation of Deep Learning Algorithms.....1256
*Aekkarat Suksukont and Ekachai Naowanich**
- GCN-Mamba: A Semantic-guided Graph Convolutional Network with Mamba State Space Models for Skeleton-based Action Recognition1269
Amine Mansouri, Abdellah Elzaar, Toufik Bakir, and Smain Femmam*
- Optimizing Next-generation Cloud and Data Center Networks: A Review of Routing, Resource Management, and Emerging Technologies1278
Sultan Alanazi
- Methodological Rigor in EHR-based Prediction: A Leakage-free Evaluation Framework for Diabetes Medication Initiation1303
Olugboja Adedeji
- Cross-Dataset Generalization Framework for Cybercrime Detection Using CIC-IDS2017, CIC-Phishing2019, and Malicious Uniform Resource Locator (URL) Data1310
R. Adinarayana and G. Vamsi Krishna*
- Advancing Machine-generated Text Detection: A Comprehensive Evaluation of Transformer-based Models1321
Batyr Sharimbayev and Shirali Kadyrov*
- A Practical Protocol and Governance Framework for Immersive In-vehicle HCI Usability Evaluation Using Commercial XR Analytics.....1331
Felipe Dias, Rafael Miguez, Catharina Ramos, Daniela Rodrigues, João Marcelo Teixeira, Sanval Santos, Yasmim Thasla Santos Ferreira, and Ingrid Winkler**
- Modelling Security Threats of Live Streaming Monetization Pipelines1345
*Emil Eminov and Stephen Flowerday**
- Strategy for Countering Phishing Attacks within the Endless Antagonistic Game Framework1356
Valery Lakhno, Volodimir Malyukov, Inna Malyukova, Bakhytzhhan Akhmetov, Zhuldyz Alimseitova, and Atkeldi Ogan*
- An Enhanced AlexNet-VGG Hybrid with SiLU Activation and Multi-dimensional Slicing for Lung Infection Classification from 3D CT-scans1368
Bambang Suprihatin, Yuli Andriani, Anita Desiani, Siti Rusdiana Puspa Dewi, Muhammad Arhami, Deshinta Arrova Dewi, and Silfani Cahaya Putri*

Data-Driven Detection of Multi-vector IoT DDoS Attacks across Network Layers.....	1383
<i>Rania A. Al-Ali, Mohammad Alnabhan, and Qasem Abu Al-Haija*</i>	
Ultra-light Multi-scale Human Parsing with Attention-guided Grouping.....	1397
<i>Abderrahim Ouza*, Mohamed El Ghmary, and Ali Choukri</i>	
HYBERT-X: A Hybrid Deep Learning Framework for Cyberbullying and Cyber Threat Detection	1409
<i>Jayapriya J.*, Kavitha S., Manimekala B., and Nileem Kaveramma</i>	
A Smart Business Intelligence Model Based on HGO Discovery Approach for Precision in Inpatient Care in Regional General Hospitals	1420
<i>Hengki*, Rahmat Gernowo, and Oky Dwi Nurhayati</i>	