

Journal of Advances in Information Technology

CONTENTS

Volume 16, Number 6, 2025

Applying the Yule-Simon Process to Ranking Network Accesses	770
<i>Naoshi Sakamoto</i>	
A YOLOv10-Based System for Automated FPT University Student Card Information Extraction.....	777
<i>Toan Quy Nguyen*, Tuan Minh Le, Linh Van Nguyen, Phuc Hoang Minh Lai, Khang Vo Hoang Nguyen, Thuan Van Tran, and Thu Vo Minh Le</i>	
Leveraging Quantum Computing for Context-Aware Restaurant Recommendations	786
<i>Venugopal Boppana and Sandhya Prasad*</i>	
A Study on Task Offloading and Service Caching Integration in Edge-Cloud Collaborative Systems.....	801
<i>Yuhua Li* and Yancong Deng</i>	
Solar Power Forecasting on Smart Micro Grid Using CNN-LSTM Ensemble Method	809
<i>Nur Iksan*, Purwanto Purwanto, and Heri Sutanto</i>	
Hybrid Retrieval for Retrieval Augmented Generation in the German Language Production Domain.....	819
<i>Simon Knollmeyer*, Sebastian Pfaff, Muhammad Uzair Akmal, Leonid Koval, Saara Asif, Selvine G. Mathias, and Daniel Großmann</i>	
Estimating the Message Delivery Probability Without Duplication in an Industrial Internet of Things Network System	830
<i>Muhanad Jabar Yaser*, Dhay Abdullateef, Konstantin A. Polshchikov, and Mikhail S. Balakshin</i>	
Enhancing Breast Tumor Segmentation with TL-ESMNet: A Transfer Learning and Ensemble-Based Approach for Mammograms	838
<i>Satyanarayana Reddy Beram*, R Lalchhanhima, and Ksh. Robert Singh</i>	
Beyond Classical Approaches: Fine-Tuning Clinical BERT Model on Structured Data for Alzheimer's Disease Diagnosis	854
<i>Hager Saleh*, Michael McCann, John G. Breslin, Shaker El-Sappagh, and Alzheimer's Disease Neuroimaging Initiative</i>	
Predicting Dengue Fever Outbreaks through Support Vector Machine: The Role of Climate Variables and Time-Lagged Data.....	869
<i>Hetty Meileni, Ermatita*, Abdiansah, and Nyayu Latifah Husni</i>	
Comparison of the Balanced Truncation and Balanced Stochastic Truncation Algorithms in Model Order Reduction for IIR Digital Filters	884
<i>Quoc-Xuyen Hoang, Van-Cuong Pham, Viet-Anh Nguyen, Dinh-Chung Dang, and Hong-Quang Nguyen*</i>	
A Hybrid Ensemble Learning Approach for Cervical Cancer Detection: Combining Multiple CNN Models for Enhanced Diagnostic Accuracy	893
<i>Aishwarya N. Kumar* and Meenakshi Sundaram A.</i>	

Development of Avalanche Prediction Algorithms Based on a Set of Parameters904
Natalya Denissova, Olga Petrova, Evgeny Fedkin, Gulzhan Daumova, and Evgeny Sergazinov*

Event-Driven Crowd Forecasting: Wi-Fi Sensing, Event Schedules, and Weather Data for Foot Traffic
Prediction.....916
Kurumi Muto, Akihisa Kodate, Noboru Sonehara, and Nobuharu Hiruma*