

Journal of Advances in Information Technology

CONTENTS

Volume 14, Number 4, 2023

Detecting Unusual Activities in Local Network Using Snort and Wireshark Tools	616
<i>Naif Alsharabi*, Maha Alqunun, and Belal Abdullah Hezam Murshed</i>	
Intrusion Detection System in IoT Based on GA-ELM Hybrid Method.....	625
<i>Elijah M. Maseno*, Zenghui Wang, and Fangzhou Liu</i>	
A Literature Review on the Pervasiveness of Ransomware Threats and Attacks in the Philippines	630
<i>Eric B. Blancaflor*, Joselito Lizer C. Daluz, Roduel Adrian G. Garcia, Nathan Gadiel S. Monton, and Jhoana Marie S. Vergara</i>	
Empirical Evaluation of Machine Learning Performance in Forecasting Cryptocurrencies	639
<i>Lauren Al Hawi, Sally Sharqawi, Qasem Abu Al-Haija*, and Abdallah Qusef</i>	
k-Anonymity Based on Tuple Migration in Sharing Data.....	648
<i>Anh T. Truong</i>	
HASumRuNNer: An Extractive Text Summarization Optimization Model Based on a Gradient-Based Algorithm	656
<i>Muljono*, Mangatur Rudolf Nababan, Raden Arief Nugroho, and Kevin Djajadinata</i>	
Fusion of CNN-QCSO for Content Based Image Retrieval	668
<i>Sarva Naveen Kumar* and Ch. Sumanth Kumar</i>	
Improvised Explosive Device Detection Using CNN With X-Ray Images	674
<i>Chakkaphat Chamnanphan, Surapol Vorapatratorn*, Khwunta Kirimasthong, Tossapon Boongoen, and Natthakan Iam-On</i>	
A Distributed Software Project Management Framework	685
<i>Kamal Uddin Sarker*, Raza Hasan*, Aziz Bin Deraman, and Salman Mahmood</i>	
Multi-speaker Speech Separation under Reverberation Conditions Using Conv-Tasnet.....	694
<i>Chunxi Wang, Maoshen Jia*, Yanyan Zhang, and Lu Li</i>	
Towards Ideal and Efficient Recommendation Systems Based on the Five Evaluation Concepts Promoting Serendipity.....	701
<i>Oumaima Stitini*, Iván García-Magariño, Soulaimane Kaloun, and Omar Bencharef</i>	
Demystifying Blockchain: A Critical Analysis of Application Characteristics in Different Domains	718
<i>Vedika Jorika* and Nagaratna Medishetty</i>	
Open Banking API Framework to Improve the Online Transaction between Local Banks in Egypt Using Blockchain Technology	729
<i>Mohamed Hamed Mohamed Hefny, Yehia Helmy, and Mohamed Abdelsalam</i>	
Using Artificial Neural Network to Test Image Covert Communication Effect.....	741
<i>Caswell Nkuna, Ebenezer Esenogho*, Reolyn Heymann, and Edwin Matlotse</i>	

Comparison of Shoulder Range of Motion Evaluation by Traditional and Semi-Automatic Methods.....	749
<i>Sonia C. Mantilla, César A. Peña, and Gonzalo G. Moreno*</i>	
Authentication and Role-Based Authorization in Microservice Architecture: A Generic Performance-Centric Design.....	758
<i>Randa Ahmad Al-Wadi* and Adi A. Maaita</i>	
Data Mining for Managing and Using Online Information on Facebook	769
<i>Nidal Al Said</i>	
Improved Model to Detect Cancer from Cervical Histopathology Images by Optimizing Feature Selection and Ensemble Classifier	777
<i>R. Baghia Laxmi*, B. Kirubagari, and Lakshmana Pandian</i>	
Advances in the Development of an Algorithm for Parametric Identification of Egyptian Hieroglyphs Using Artificial Vision.....	788
<i>Rafael Bolívar León*, César Augusto Peña, and Gonzalo Guillermo Moreno</i>	
Linguistic Driven Feature Selection for Text Classification as Stop Word Replacement.....	796
<i>Daniel Schönle*, Christoph Reich, and Djaffar Ould Abdeslam</i>	
Improving Performance of Fuzzy-Based Handoff for Spectrum Utilization in Cognitive Radio Network Using Particle Swarm Optimization.....	803
<i>Sampurna Dadi Riskiono*, Selo Sulistiyo, and I. Wayan Mustika</i>	
Malicious Agricultural IoT Traffic Detection and Classification: A Comparative Study of ML Classifiers.....	811
<i>Omar Bin Samin*, Nasir Ahmed Abdulkhader Algeelani, Ammar Bathich, Ghulam Mujtaba Adil, Abdul Qadus, and Adnan Amin</i>	
Improved Opinion Mining for Unstructured Data Using Machine Learning Enabling Business Intelligence...	821
<i>Ruchi Sharma* and Pravin Shrinath</i>	
Part-of-Speech (POS) Tagging for Standard Brunei Malay: A Probabilistic and Neural-Based Approach.....	830
<i>Izzati Mohaimin*, Rosy zie A. Apong, and Ashrol R. Damit</i>	
Deep Image: An Efficient Image-Based Deep Conventional Neural Network Method for Android Malware Detection.....	838
<i>Marwa A. Marzouk* and Mohamed Elkholy</i>	
An Effective Time-Sharing Switch Migration Scheme for Load Balancing in Software Defined Networking	846
<i>Thangaraj Ethilu*, Abirami Sathappan, and Paul Rodrigues</i>	
Sentiment Analysis of Amazon Product Reviews by Supervised Machine Learning Models	857
<i>Mohamad Faris bin Harunasir, Naveen Palanichamy*, Su-Cheng Haw, and Kok-Why Ng</i>	
PWMStem: A Corpus-Based Suffix Identification and Stripping Algorithm for Multi-lingual Stemming.....	863
<i>Abdul Jabbar, Manzoor Illahi, Sajid Iqbal, Amjad Rehman Khan*, Narmine ElHakim, and Tanzila Saba</i>	