2024 7th International Conference on Internet Applications, **Protocols, and Services (NETAPPS 2024)**

Kuala Lumpur, Malaysia **6-7 November 2024**



IEEE Catalog Number: CFP2461K-POD ISBN:

979-8-3315-1952-0

Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP2461K-POD

 ISBN (Print-On-Demand):
 979-8-3315-1952-0

 ISBN (Online):
 979-8-3315-1951-3

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Phone: (845) 758-0400 Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

Movie Recommendation Algorithm based on Sentiment Analysis and Topic Model Jin Xie, Mohamad Fadli Zolkipli, Mohamad Farhan Mohamad Mohsin, Tianyu Qiu, Feng Liu and Meng Hou	1
Performance Evaluation and Proposed Enhancement of latest Image Watermarking Schemes against specific forgery attacks	8
Secure Disaster Management with Blockchain-based Mutual Authentication and Machine Learning for Drought Prediction	14
Comparative Analysis of Detecting Cyber Attacks Using Systematic Hyperparameter Exploration Method (SHEM)	22
Evaluating Phubbing Risk among University Students through a Cyberpsychology Model Approach	28
Exploring Potential Applications of Generative Artificial Intelligence in future healthcare: the Case of Sora	36
A Threat Intelligence Event Extraction Conceptual Model for Cyber Threat Intelligence Feeds	44
Comparative Analysis of Data Compression and Communication Algorithms	52
Technological Innovations in Autonomous Vehicles: A Focus on Sensor Fusion and Environmental Perception	59
Enhancing Diagnostic Precision in Pediatric Urology: Machine Learning Models for Automated Grading of Vesicoureteral Reflux	66
AI-Driven UAV Distinction: Leveraging Advanced Machine Learning	73
Proposing a Blockchain-based Assessment Management Upon Education of Malaysia Joharri Shuhaimi, Hapini Awang and Mohd Fairuz Jafar	80

Comprehensive Assessment of Cybersecurity Measures: Evaluating Incident Response, AI Integration, and Emerging Threats
Mohammad Al-Batah and Ahmad Bader Automating Web Data Collection: Challenges, Solutions, and Python-Based Strategies for Effective Web Scraping
Optimized Navigation using Mobile App: Network Analysis for Effective Routes
Fake News Detection Review: Concepts, Tools, Research gaps, and Possible Solutions 106 Sapana Yakkundi, Rudragoud Patil and Swetha Goudar
Examining the Acceptance of a Secure and Systematic Personal Research Management Prototype for Higher Education Researchers
BERT-Based Transfer Learning Model to Enhancing Human Resource Performance Appraisal System
Blockchain Applications and Management: A Multidisciplinary Analysis
An Extended DeLone and McLean Model: A Systematic Literature Review of Citizens' E-Government and E-Participation on Social Media Platforms
Investigating the Potential of AI-Driven Data Analytics for eARMS: A Survey-Based Research
Electronic records management System invisibility in the agriculture sector
Leveraging AI-Driven Topic Modeling for Business Analytics: A Bibliometric Analysis of Trends in Antidepressant Efficacy
Environmental, Social and Governance (ESG) Scores Automation in Global Reporting Initiative (GRI) with Natural Language Processing

AIoT Enhanced Night Vision Object Detection for Vehicle Safety Using Transfer Learning on Raspberry Pi 5
Edge Computing for Enhancing Digital Twin Applications in Consumer Devices
Explainable Artificial Intelligence (XAI) Model for Online Fraud Detection: A Critical Review in Malaysia's Digital Economy
The Role of Blockchain Integration in Edge Computing for 6G IoT: Challenges and Applications
Green Trace: Secure and Traceable Supply Chain System Based on Blockchain and Domain Ontology
Building Resilience: Key Components of Effective Cyber-Crisis Response
Optimizing IoT Security: A Machine Learning Pipeline for Fast and Accurate Intrusion Detection
Gamification in Agile Development Methodology: A Systematic Literature Review
Advancing Proactive Producer Mobility Management in Named Data Networking: A Conceptual Model
Data Leaks Through Public Digital Document Libraries: A Growing Concern in Relation to Personal Data Protection and Cyber Security Regulations
Majority Voting-Based Heterogeneous Ensemble Method for Intrusion Detection System 243 Guntoro Guntoro, Mohd Nizam Omar, Mohamad Farhan Mohamad Mohsin and Nik Fatinah N. Mohd Farid
Detecting Distributed Denial Of Service Attacks In Software Defined Network Controllers: Proposed Research
Exploring the Efficacy of Intelligent Water Drops Algorithm for Solving Nondeterministic Polynomial Problems

Network Traffic Classification Using Machine Learning Methods	3
Proposing a Hybrid Data Mining Approach for Network Traffic Analysis	'0
AI Technology in IT Service Desk (ITSD)	78
Exploring the Future of Information Storage: QR Code Extended Storage Technology 28 Azizi Abas, Mohd Hasbullah Omar and Fazli Azzali	34
Enhancing Dental Service Efficiency: Development And Evaluation Of A Smart Dental Appointment System)3
Stakeholders Sentiment Analysis using Twitter Data on NEP 2020: A Case Study Approach)8
Enhancing Producer Mobility Management in Named Data Networking: Insights from Design Research Methodology)5
Adaptive Generative AI for Elderly-Assisted Living Environments: A Proactive Approach 31 Mudassar Ali Khan, Ikram Ud Din, Suhaidi Hassan, Nauman Ali Khan and Ahmad Almogren	.3