

1. Record Nr.	UNINA9910910494003321
Autore	Simic Milan
Titolo	Smart Computing Paradigms : Proceedings of Sixth International Conference on Smart Computing and Informatics (SCI 2024), Volume 1
Pubbl/distr/stampa	Singapore : , : Springer, , 2024 ©2024
ISBN	9789819778805 9819778808
Edizione	[1st ed.]
Descrizione fisica	1 online resource (546 pages)
Collana	Lecture Notes in Networks and Systems Series ; ; v.1147
Altri autori (Persone)	BhatejaVikrant MurtyM. Ramakrishna PandaSandeep Kumar
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Committees -- Preface -- Contents -- Editors and Contributors -- Sub-threshold Model of NMOS for Low-Power Application -- 1 Introduction -- 2 Literature Review -- 3 Structural View of NMOS -- 4 Implementation Process for NMOS Modeling -- 5 Simulated Results and Discussions -- 6 Conclusion -- 7 Future Scope -- References -- From Farm to Fork: Applications of Artificial Intelligence in the Food Industry -- 1 Introduction -- 2 Technologies Integrated in the Food Industry -- 2.1 AI-Enabled Precision Fermentation -- 2.2 Seeds of Sustainability with Precision Agriculture Practices -- 2.3 Transforming the Bakery Industry Through AI -- 2.4 Decoding Durability: AI's Algorithmic Approach to Shelf Life -- 2.5 Elevating Alcoholic Beverages with Computer Vision -- 2.6 AI's Role in Enhancing Food Enzymes -- 2.7 The AI Revolution in Supply Chain Networks -- 2.8 Smart Insights, Smarter Decisions: AI and Demand Forecasting -- 2.9 Innovate, Validate, and Elevate: AI-Driven Quality Assurance Solutions -- 2.10 Eco-logistics: Smart Warehousing, Distribution, and Sustainable Packaging -- 3 Conclusion -- References -- Resilient Domain Authentication Framework for Enhancing Digital Identity Security -- 1 Introduction -- 1.1 Limitations of Traditional

Authentication Methods -- 1.2 Significance of Domain Name-Based Authentication -- 2 Background -- 3 Proposed Authentication Framework -- 3.1 MetaMask Browser Extension and DNS -- 3.2 Architecture of the System and Its Components -- 4 Experimentation -- 4.1 Use Cases of TeSC -- 4.2 ERC-20 Transactions as an Example -- 4.3 TeSC in MetaMask Design Concept -- 5 Conclusion -- References

-- Traffic Sign Detection with Pattern Recognition Techniques Using Image Processing -- 1 Introduction -- 2 Survey of Related Works -- 3 Architecture of Proposed System -- 4 Evaluation -- 5 Results and Discussion.

6 Conclusion and Future Scope -- Exploring Advanced Techniques in Natural Language Processing and Machine Learning for In-depth Analysis of Insurance Claims -- 1 Introduction -- 2 AI for Insurance -- 3 Literature Survey -- 4 Text Summarization -- 5 Keyword Extraction -- 6 Results and Observations -- 7 Conclusion -- References

-- Network Intrusion Detection with SMOTE-ENN and Deep Learning Techniques -- 1 Introduction -- 2 Related Works -- 3 Methodology -- 3.1 SMOTE-ENN -- 3.2 Autoencoders -- 3.3 Multi-layer Perceptron -- 4 Implementation -- 4.1 Datasets -- 4.2 Data Preprocessing -- 4.3 Feature Extraction and Classification -- 5 Performance Analysis and Results -- 5.1 Evaluation Metrics -- 5.2 Comparative Analysis -- 5.3 Results and Discussion -- 6 Conclusion -- References

-- Leveraging Transfer Learning to Enhance Location Accuracy in Mapping Services: A Case Study of Google Maps -- 1 Introduction -- 2 Background -- 3 Related Work -- 4 Working of Google Maps -- 4.1 Dijkstra's Algorithm -- 4.2 A* Algorithm -- 4.3 Bellman-Ford Algorithm -- 5 Factors Influencing Google Maps Inaccuracies: -- 5.1 GPS Signal Problems -- 5.2 Wi-Fi and Cellular Data -- 5.3 Power Saving -- 5.4 Navigation Applications: -- 5.5 Supervised Learning: -- 5.6 Cache Information: -- 6 Transfer Learning -- 6.1 Machine Learning -- 6.2 Transfer Learning -- 7 Applying Transfer Learning for Location Accuracy -- 8 Methodology and Result Analysis -- 9 Future Directions -- References

-- Assessment of Enhanced Email Spam Detection System Through Machine Learning Algorithms -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 4 The Machine Learning Classification Algorithms and Evaluation Indicators -- 4.1 Evaluation Indicators -- 5 Results and Discussion -- 6 Conclusion -- References

-- Machine Learning Methods for Predicting Traffic Congestion Forecasting -- 1 Introduction.

2 Literature Review -- 3 Proposed Method -- 3.1 Data Collection and Preprocessing -- 3.2 Feature Selection -- 3.3 Decision Tree -- 3.4 Random Forest -- 3.5 SVM -- 3.6 Neural Network -- 4 Experimental Setup -- 5 Results -- 6 Conclusion -- References

-- Hybridization of Computational Intelligence Algorithm for Scheduling of Tasks and Balancing of Load in Cloud Network -- 1 Introduction -- 2 Related Work -- 3 Problem Formulation -- 4 Proposed Hybrid Algorithm for Balancing Load Problem -- 5 Experimental Results -- 6 Conclusion -- References

-- MDSV: Mobs Detection by Enhanced Fused Feature Base Deep Neural Network from Surveillance Camera -- 1 Introduction -- 2 Related Work -- 3 Proposed Methodology -- 3.1 Datasets -- 3.2 Illumination and Contrast Adjustment -- 3.3 Motion Estimation -- 3.4 Human Mobs Tracking -- 3.5 Feature Extraction -- 3.6 Feature Selection -- 3.7 Deep Belief Network (DBN) -- 4 Experimental Result and Performance Analysis -- 4.1 Comparative Analysis -- 5 Conclusion -- References

-- IoT-Based Solution for Enhanced Tracking of Individuals Living with Dementia -- 1 Introduction -- 2 Methodology -- 2.1 Research Design -- 2.2 Planning Phase -- 2.3 Design Phase -- 2.4 Development Phase -- 2.5 Feedback Phase -- 3 Results -- 4

Conclusion -- References -- A Novel Task Scheduling Algorithm in Heterogeneous Multi-cloud Environment -- 1 Introduction -- 1.1 Cloud and Cloud Environment -- 2 Related Work -- 3 Model and Problem Statement -- 3.1 Cloud Model -- 3.2 Application Model and Problem Statement -- 3.3 Scheduling Model Using Proposed Algorithm -- 4 Experimental Results -- 5 Conclusion -- References -- Evaluating the Integration and Usage of AI in Higher Education -- 1 Introduction -- 2 Artificial Intelligence (AI) -- 3 Role of AI in Higher Education -- 4 AI Challenges in Higher Education -- 5 Literature Review -- 6 Research Methodology.

7 Conclusion -- References -- Evaluating the Connectional Benefits of Artificial Intelligence in the Digital Classroom -- 1 Introduction -- 2 AI in Education System -- 3 Literature Review -- 4 Learner Example -- 5 Model of Instruction -- 6 Domain Expertise -- 7 Module for Communication -- 8 Skill Module -- 9 Model of E-Learning -- 10 Here Are a Few Well-Known E-Learning Tools -- 11 AI-Powered Analysis of Student Learning -- 12 Preparing Data -- 13 AI Applications in Education -- 14 To Make the Grading System Better -- 15 Astute Content -- 16 Astute Instructions -- 17 Tailored Education -- 18 Advantages of AI in Classroom -- 19 Benefits of AI into the Classroom -- 20 Benefits of AI to the Teacher -- 21 Limitations of AI -- 21.1 Costly -- 21.2 Inadequate Interpersonal Relationship -- 21.3 Decrease in the Need for Tutors -- 21.4 Dependency -- 22 Conclusion -- 22.1 Information Loss -- References -- Influence of AI as an Aspect of Modern Education Era in Present World -- 1 Introduction -- 2 Artificial Intelligence (AI) -- 3 Artificial Intelligence (AI) in the Field of Education -- 4 Attitude Toward Artificial Intelligence (AI) -- 5 Attitude Toward Artificial Intelligence (AI) in Reference to Educational Field -- 6 AI Brings a Change in Educational Field -- 7 Conclusion -- References -- Hilbert-Huang Transform Framework-Based Email and SMS Spam Detection -- 1 Introduction -- 2 Literature Review -- 3 Proposed Model -- 4 Implementation of Hilbert-Huang Transform -- 5 Results and Analysis -- 5.1 Performance Evaluation -- 5.2 Results Using Hilbert-Huang Transform -- 6 Conclusion -- References -- The Advancement and Utilization of Artificial Intelligence and Machine Learning in the Financial Industry and Its Impact on Macro and Microeconomics -- 1 Introduction -- 2 Literature Survey -- 3 Artificial Intelligence -- 4 Machine Learning. 5 Advantages of Machine Learning for the Finance Industry -- 6 How Machine Learning Work in Finance -- 7 Enlargement and Relevance of AI and ML in Investment Sector -- 7.1 Artificial Intelligence's Advancement in the Financial Sector -- 7.2 Financial Sector Implications of Artificial Intelligence -- 8 Impacts of AI in Financial Market -- 9 Data Management -- 10 Algorithmic Trading -- 11 Fraud Detection and Prevention -- 12 Risk Management -- 13 Adoption of AI in Finance -- 14 Conclusion -- References -- Analysis on the Cutting-Edge Approach to Assess Artificial Intelligence's Educational Consequences in Contemporary Studies -- 1 Introduction -- 2 Literature Survey -- 3 Role of Artificial Intelligence in Education -- 3.1 Nature of Artificial Intelligence -- 4 Technical Aspects of AI in Education -- 5 Impact of AI on Education -- 6 Uses of Artificial Intelligence -- 7 Advantages of Artificial Intelligence -- 8 Disadvantages of Artificial Intelligence -- 9 Future Scope -- 10 Conclusion -- References -- Data Analytics in Sales and Marketing: A Comprehensive Methodology for Business Analysts -- 1 Introduction -- 2 Business Benefits of Big Data -- 3 Challenges of Big Data in Marketing -- 4 Big Data Analytics -- 5 Large-Scale Data -- 6 Volume -- 7 Authenticity -- 8 Speed -- 9 Diverse -- 10 Value -- 11 Projected

Model -- 12 Sales and Marketing -- 12.1 Sales -- 12.2 Marketing --
13 Model of Sales as Well as Marketing Integration -- 14 Steps
to Implement Big Data Analytics -- 14.1 Strategy Formulation -- 14.2
Extraction of Data -- 14.3 Data Transformation and Storage -- 14.4
Information Analysis -- 14.5 Report/Graphic Design -- 15 Conclusion
-- References -- Wireless Energy Transfer for UAV (Drone) Using
Machine Learning -- 1 Introduction -- 2 Literature Survey -- 3 Existing
System -- 4 Proposed System -- 4.1 Allocation of Resources Based
on the HTS Model.
4.2 AP-RIS-UT Channel Model.
