

1. Record Nr.	UNINA9910841863303321
Autore	Nanda Satyasai Jagannath
Titolo	Data Science and Applications : Proceedings of ICDSA 2023, Volume 2
Pubbl/distr/stampa	Singapore : , : Springer, , 2024 ©2024
ISBN	981-9978-20-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (533 pages)
Collana	Lecture Notes in Networks and Systems Series ; ; v.819
Altri autori (Persone)	YadavRajendra Prasad GandomiAmir H SaraswatMukesh
Disciplina	005.7
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Contents -- Editors and Contributors -- Comparative Analysis of Various SRAM Bit Cells for 32 nm Technology Node -- 1 Introduction -- 2 Review of Pre-existing Cells -- 3 Stability Analysis -- 3.1 Hold Static Noise Margin (HSNM) -- 3.2 Read Static Noise Margin (RSNM) -- 3.3 Write Margin (WM) -- 4 Half Select Disturbance -- 5 Conclusion -- References -- Uncovering the Threat: Exploring Covert Channel Attacks Via Audio Files in Android Applications -- 1 Introduction -- 2 Literature Review -- 3 Proposed Methodology -- 4 Conclusion -- References -- Emotion Recognition Through Facial Expressions from Images Using Deep Learning Techniques -- 1 Introduction -- 2 Related Work -- 3 Model -- 3.1 Face Detection -- 3.2 Image Preprocessing -- 3.3 Feature Extraction -- 3.4 Emotion Classification -- 4 Experimental Results -- 4.1 Dataset -- 4.2 Experimental Results -- 5 Conclusion -- References -- Optimization of Process Parameters in the Abrasive Waterjet Machining Using Bees Algorithm -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 4 Solution Development -- 4.1 Model or Prototype Solution -- 5 The Mathematical Model -- 5.1 Solution Development -- 5.2 Data Processing -- 6 Validation and Result Analysis -- 6.1 Experimental Design -- 6.2 Result Illustration and Explanation -- 6.3 Validation of the BA Result -- 6.4 Result Analysis -- 7 Conclusion -- References

-- Advancement on Steganography: A Review -- 1 Introduction -- 2 Background -- 3 Understanding Various Techniques and Methodologies -- 3.1 Spatial Domain Techniques -- 3.2 Frequency Domain Techniques -- 4 Literature Review -- 5 Possible Problems Faced -- 6 Conclusion -- References -- Ethereum Blockchain for Private Equity Crowdfunding: Enabling Seamless USDC and Share Token Transactions -- 1 Introduction -- 2 Related Work -- 3 Proposed Work -- 4 Methodology -- 5 Results. 6 Conclusion -- References -- Graph Convolutional Neural Network for IC50 Prediction Model Using Amyotrophic Lateral Sclerosis Targets -- 1 Introduction -- 2 Dataset Formulation -- 3 Model Building -- 4 Results and Discussion -- 5 Conclusion -- References -- Cardiovascular Disease Prediction Using Deep Learning Models -- 1 Introduction -- 2 Literature Survey -- 3 Proposed Methodology -- 3.1 Data Pre-processing and Cleaning Method -- 3.2 Regularization Technique -- 4 Results -- 5 Conclusions -- 6 Future Scope -- References -- Classification of Skin Cancer Using Integrated Methodology -- 1 Introduction -- 2 Literature Survey -- 3 Methodology -- 3.1 Data Set -- 3.2 Model Implementation and Training -- 4 Results and Analysis -- 5 Conclusion -- References -- Identification of Mycobacterium Tuberculosis Employing VGG-16 Feature Extraction and Classification Using Prominent Machine Learning Classifiers on X-rays -- 1 Introduction -- 2 Literature Review -- 3 Material and Methods -- 3.1 Dataset and Preprocessing -- 3.2 Feature Extraction -- 3.3 ML Classifiers -- 3.4 Performance Metrics -- 4 Results and Discussion -- 5 Conclusion -- References -- Cybercrime Analysis of India Using Machine Learning -- 1 Introduction -- 2 Literature Survey -- 3 Dataset Description -- 3.1 Cybercrimes -- 3.2 Cybercrimes Types -- 3.3 Cybercrimes Motives -- 4 Methodology -- 4.1 Data Preprocessing -- 4.2 Approach -- 4.3 System Architecture -- 5 Results and Analysis -- 5.1 Cybercrimes -- 5.2 Cybercrime Types -- 5.3 Cybercrimes Motives -- 6 Conclusion -- References -- Mapping a Conceptual Model of Colour Forecasting: A Review of Machine Learning Algorithms for Enhanced Prediction Accuracy and Efficiency -- 1 Background -- 1.1 The Era of Digital Colour Forecasting -- 2 Significance of Colour Trend Forecasting -- 2.1 The Colour Cycle -- 2.2 Process of Colour Forecasting. 3 Science Meets Intuition -- 3.1 Big Data for Colour Forecasting -- 3.2 Artificial Intelligence Techniques for Colour Trend Forecasting -- 3.3 Databases -- 3.4 Applications of Machine Learning in Colour Identification Process -- 4 Colour System and Colour Spaces -- 4.1 Pantone Colour System -- 5 Discussion -- 6 Conclusion -- References -- Estimation of Net Primary Productivity Using CASA Biosphere Model in Hyderabad and Roorkee Region of India -- 1 Introduction -- 2 Literature Review -- 3 Study Area -- 4 Dataset Used for Analysis -- 4.1 Soil Data -- 4.2 Vegetation Data -- 4.3 Land Use Data -- 5 Model Structure -- 6 Results -- 6.1 NPP Variation within a Year -- 6.2 NPP Variation Over the Years -- 7 Conclusion -- References -- Machine Learning Models for Chronic Renal Disease Prediction -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 3.1 Data Preprocessing: Handling Missing Value -- 3.2 Data Preprocessing: Feature Selection -- 3.3 Model Training -- 3.4 Model Evaluation and Selection -- 4 Discussion -- 5 Conclusion and Future Work -- References -- ARTHRO-Knee Osteoarthritis Detection Using Deep Learning -- 1 Introduction -- 2 Related Survey -- 3 Material and Methods -- 3.1 Dataset -- 3.2 Preprocessing -- 3.3 Convolutional Neural Networks -- 4 Proposed Method -- 5 Results and Discussion -- 6 Conclusion -- References -- Improvised Real-Time Tweet Analysis for Brand

Recognition -- 1 Introduction -- 2 Literature Survey -- 3 Proposed Method -- 4 Result and Discussion -- 5 Conclusion -- References -- AI-Based Facial Emotion Recognition -- 1 Introduction -- 2 Related Work -- 3 Simulation Setup -- 3.1 Background -- 3.2 Dataset, Preprocessing, and Augmentation -- 3.3 Improved VGG16 Architecture -- 3.4 Tuning -- 4 Results -- 5 Observations -- 6 Conclusion -- References.

Improved Genetic Algorithm in a Static Environment for the Robotic Path Planning Problem -- 1 Introduction -- 2 Description of the Optimization Problem -- 2.1 Robotic Path Planning Problem -- 2.2 Genetic Algorithm -- 2.3 Genetic Algorithm in Path Planning -- 2.4 Problem Model -- 2.5 Optimization Method -- 3 Optimization Framework and Test Cases -- 4 Results -- 5 Conclusion and Outlook -- References -- Development of An Event-Based Dataset For Abnormal Activity Detection -- 1 Introduction -- 2 Related Works -- 2.1 Machine Learning Using Event Camera Datasets -- 2.2 Methodology -- 3 Experiments -- 3.1 Event Dataset for Abnormal Activity Detection -- 3.2 Clustering on Event Dataset -- 4 Future Work and Conclusion -- References -- Media Text Analysis Based on One-Dimensional Hashtag Embeddings -- 1 Introduction -- 2 Notation and Problem Definition -- 3 Methodology -- 4 Empirical Results -- 4.1 Dataset Description -- 4.2 One-Dimensional Embedding -- 5 Conclusion -- References -- Occluded Face Recognition Using Non-Global Features Extraction and K-Means Clustering Algorithm -- 1 Introduction -- 2 Related Work -- 3 Proposed Work -- 3.1 Image Preprocessing -- 3.2 Features Extraction -- 3.3 Classifiers -- 4 Experimental Setup -- 4.1 Datasets -- 4.2 Results -- 5 Conclusion -- References -- Brain Tumor Segmentation Using Gaussian-Based U-Net Architecture -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 3.1 BraTS Dataset -- 3.2 Pre-processing -- 3.3 U-Net Architecture -- 3.4 Model Training -- 3.5 Model Evaluation Metrics -- 3.6 Numerical Result and Discussion -- 3.7 Merits and Contrast -- 4 Conclusion and Future Work -- References -- Utility of Smoothing Techniques in Yield Curve Modeling for Non-Steady State Data of Sri Lanka Capital Market -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 4 Experiment -- 5 Results -- 6 Discussion.

7 Conclusion -- References -- WSN-Based Secure and Energy-Efficient Smart Parking Management System (SPMS) Using FFA-ANN -- 1 Introduction -- 2 Motivation of Research -- 3 Related Work -- 4 Problem Definition -- 5 Proposed Work -- 6 Result and Discussions -- 6.1 Network Throughput -- 6.2 Number of Alive Nodes -- 7 Conclusion -- References -- Multilingual Approach to Decode Shree Rama Prashanavali Using Character Recognition and String Matching -- 1 Introduction -- 2 Literature and Survey -- 3 Methodology -- 3.1 Algorithm for the Proposed Work -- 4 Results and Discussions -- 5 Conclusion -- References -- An Enhanced Approach for Automatic Sound Event Detection Using Neural Networks -- 1 Introduction -- 2 Literature Survey -- 3 Proposed Methodology -- 3.1 Data Set -- 3.2 Feature Extraction -- 3.3 Model Implementation -- 4 Experimental Results and Analysis -- 5 Conclusion -- References -- Detecting Issues Related to Environmental, Social, and Corporate Governance Using SEC-BERT -- 1 Introduction -- 2 Related Works -- 3 Problem Statement -- 4 Dataset -- 5 Methodology -- 6 Experiments and Results -- 7 ESG Issue Detector (EID) Tool -- 8 Conclusion -- References -- Comprehensive Analysis of Deep Learning Models for Brain Tumor Detection from Medical Imaging -- 1 Introduction -- 2 Literature Survey -- 3 Methodology -- 3.1 AlexNet -- 3.2 VGG-16 [12] -- 3.3 ResNet50 -- 3.4 DenseNet-121 -- 3.5 GoogleNet -- 4 Experiments

and Results -- 4.1 Dataset -- 4.2 Experiments and Result Analysis -- 5
Conclusion -- References -- Face Counting Based on Pre-trained
Machine Learning Models: A Brief Systematic Review -- 1 Introduction
-- 2 Background Study -- 3 Face Detection Algorithms -- 3.1 Haar
Cascade Classifier -- 3.2 Multi-task Cascaded Convolutional Networks
(MTCNN) Architecture -- 3.3 RetinaFace Architecture -- 4 Results -- 5
Discussion -- 6 Conclusion -- References.
A Machine Learning-Driven Soil Nutrient and Crop Yield
Recommendation Platform with Pesticide Suggestions.
