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Nota di contenuto	-- Artificial Intelligence & Machine Learning. -- Enhancing Music Recommendation Systems: A Hybrid CNN-LSTM Approach for Personalized and Precise Recommendations. -- Detecting Emotions of MEMEs Using a Hybrid approach of Deep Learning. -- Parkinson's Disease Detection Using Advanced Wave Signal Processing on Spiral Drawing Tests. -- Vehicle Density Estimation Using Improved Yolov8 Object Detection Model With Kernel Density Estimation. -- EmpowerSpeak: "A Breakthrough Model for Speech Synthesis from Videos for the Differently Abled". -- Feature Extraction and Machine Learning Based Predictive Models for Heart Diseases Prediction: Analyzing the Effectiveness of Multiple Models. -- Machine Learning Models and FOREX Analysis: A Comparison with Hybrid Models to Predict the Next Day Exchange Rate. -- COMMODITY IDENTIFICATION USING DEEP

LEARNING IN SMART SHOPPING SYSTEM. -- Prediction of Retinal Diseases using Image Processing Techniques and Convolutional Neural Networks. -- ORB-SIFT Hybrid Feature Extraction: A Unified Feature Extraction Approach. -- Bibliometric Analysis of Educational Data Mining. -- Predictive Modeling of Chronic Kidney Disease with Ensemble Algorithms. -- Advanced Lung Image Enhancement Using Dynamic Dual-Histogram Gamma Correction. -- Elite Opposition Learning based Transfer Residual Neural Network (EOL-TRNN) Classifier for Lung Diseases from Chest X-Ray (CXR). -- Enhancing Railway Network Efficiency with Deep Learning-Based Traffic Prediction Models. -- Data under Siege Advanced AI Techniques to Combat Cyber Attacks in Data Infrastructure. -- Scalable Intrusion Detection Using Recurrent Neural Networks in Distributed Data Engineering Systems. -- Dynamic Crop Recommendation Systems Using Reinforcement Learning and Real-Time Sensor Data. -- Butterfly Optimization Algorithm (BOA) based Feature Selection and Semen Quality Predictive Model. -- Enhancing Medicinal Plant Identification with Deep Learning: A Data-Centric Approach. -- Understanding Unnatural Mortality: A Comprehensive Analysis of Machine Learning Approach for Classification of Causes. -- Thorough analysis of principal challenges in opinion mining and sentiment analysis, unraveling prevailing trends and techniques through a systematic review. -- Time Series-Based Analysis of Energy Consumption: Forecasting and Anomaly Detection using LSTM and Isolation Forest. -- Steganography in the Digital Age: An In-Depth Review of Techniques. -- Advancement and Applications in Biometric Techniques: A Comprehensive Study. -- Securing E-Commerce: A Comprehensive Analysis of Fraud Detection Methods. -- An IoT and Data Mining-Based Tool for Early Identification of Speech Disorders in Children Using Advanced Algorithms. -- Change detection using Machine Learning Algorithms in Google Earth Engine Environment Bharatpur District of the Rajasthan State. -- Human Pose Estimation using Machine Learning. -- Multi-dimensional Spatiotemporal Sparse-representation Convolutional Long Short-Term Memory for Prediction of Autism Spectrum Disorder.

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#### Sommario/riassunto

The six-volume set, CCIS 2424 - 2429, constitutes the refereed proceedings of the Third International Conference on Advances in Smart Computing and Information Security, ASCIS 2024, held in Rajkot, Gujarat, India, in October 16–18, 2024. The 138 full papers and 43 short papers presented in these six volumes were carefully reviewed and selected from 667 submissions. The papers presented in these six volumes are organized in the following topical sections: Part I, II, III, IV: Artificial Intelligence & Machine Learning Part V: Smart Computing; Network and Cloud Computing. Part VI: Cyber Security; Computer Application for Sustainability.

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