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Nota di contenuto	-- Artificial Intelligence & Machine Learning. -- Performance Evaluation of Machine Learning Algorithms for DDoS Attack Detection: A Comparative Study. -- GeoVigilance Labs: An AI-Enabled System for Automated Land Use Monitoring. -- Underwater Image Classification with Sloth-Enhanced Contrast Limited Adaptive Histogram Equalization (S-CLAHE) and Deep Learning Algorithms. -- A Review of Deep-Learning-Based Models for Afaan Oromo Fake News Detection on Social Media Networks. -- Integrating AI and Block chain for Enhanced Food Traceability and Safety in Restaurants: A Transformative Approach. -- PIRNet:Two-step Deep Neural Network for Segmentation of Brain MRI with Efficient Loss Functions. -- Neural Networks Approach for Liver Cancer Classification. -- Optimizing Tomato Leaf Disease Identification Using a Hybrid Spatial-Temporal Model and Attention

Mechanism. -- Machine Learning Strategies for Proactive Malware Detection. -- Generative AI tool in learning an Introductory Programming: A Research Perspective. -- Evaluating the effectiveness of machine learning algorithms in predicting plant diseases:A comparative analysis. -- FLEATM:fuzzy Logic – Based energy-Aware Trust Based Routing In MANETS. -- Smart Road Sensing: A Machine Learning Approach for Pothole Detection and Classification. -- From Threads to Algorithms: AI Innovations in Textile Production. -- Robust Dataset of Digital Handwritten Devanagari Script. -- Racism detecting in Twitter comments using metaheuristics optimized text mining and classification. -- Lower Limb Prosthetics Activity Recognition using Optimized CNN-LSTM Model. -- A Hybrid Approach to Cardiovascular Disease Detection: The Synergy of YOLOv9, CapsNet, and XGBoost. -- Event detection and analysis from social media data using N-gram and Distil-BERT model. -- Predictive Modeling of Genetic Diseases: A Comparison of Various Machine Learning Approaches. -- Extracting the Pneumonia Signature: A Deep Learning Framework for Definitive Diagnosis. -- Leveraging Cloud Resources for Machine Learning-Based Spam Detection API. -- From Pen to Pixel: Understanding Learning Shifts with Student Insights in E-Education. -- Navigating the Path: Exploring Career Choice Dynamics Among Secondary and Higher Secondary School Students. -- Harassment Detection in Online Discourse Using Modified Metaheuristic Natural. -- Analyzing Extractive Summarization methods for Kannada using Sentence Ranking and K-Means Algorithm. -- Real-Time Facial Emotion Recognition Through Neural Networks. -- Deepfake Detection using ResNet50: Performance Analysis on Celeb-DF Dataset. -- Performance of Linear and Polynomial Kernels of SVM towards Kidney Cyst Detection.

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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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