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Nota di contenuto	-- Intelligent Computing. -- A Novel Approach to Handle Imbalanced Code-Mixed Languages Using SMOTE-ENN during Stratified Cross

Validation. -- Intelligent Seasonal Air Quality Prediction with Machine Learning Models: Enhancing Performance through Polynomial Regression and Bayesian Optimization. -- Process for Evaluating the Content of Forms for the Evaluation and Validation of Quality Assurance and Control Frameworks in Data Science Projects. -- Real-Time Automated Pothole Detection and Localization with Deep Learning and Geolocation Integration for Improved Road Safety and Maintenance. -- Entropy based Embedded Unsupervised Feature Selection. -- Analysing the variation between Univariate forecasting and Multivariate forecasting using macroeconomic factors, for stock price prediction. -- Optimizing Vehicle Emissions: Identifying High-Impact Vehicles and Exploring Sustainable Fuel Options. -- Sign language recognition using convolutional neural network. -- Fake News Detection Using Large Language Models. -- Lunar Crater Detection using Customized YOLOv8 model. -- Deep Learning Techniques for Pneumonia Detection on Chest X-Ray Images. -- Optimized LeNET based CNN and Convolutional BLSTM with He Initialization for Character-Level Classification in Tal-Patra Manuscripts. -- Exploring the Use of Social Robots as a Game Associate in the Health Sector: A Systematic Review. -- Evaluating the Efficiency of FSL Models in the Diagnosis of Kyasanur Forest Disease. -- Financial Decision Support System for Small and Medium-sized Enterprises. -- Adaptive Backpropagation Algorithm using N-Sigmoid and N-Weight Updation Rule for 3D LiDAR Point Cloud Compression. -- Learning to Integrate Dynamic Knowledge for Enhanced Response Generation in Multi Domain Dialogue System. -- QUANTUM-ENABLED (QeSVM) FACIAL EXPRESSION IDENTIFICATION OF AUTISTIC CHILDREN. -- High-Capacity Coverless Steganography Using Pixel Gradient Analysis. -- Citation Based Scientific Document Summarization using Deep Learning. -- Balancing Accuracy and Safety in AI: A Novel Adversarial Training Approach. -- Identification of Traditional Medicinal Plant Leaves Using an effective Deep Learning model and Self-Curated Dataset. -- Enhanced Multilingual Sentiment Analysis Using Hybrid CNN-GRU Deep Learning Architecture. -- Fine-tuning and Efficacy Assessment of BERT-Based Models in Detecting Early Signs of Depression. -- AI-Powered Reverse Logistics: A Pathway to Sustainable Supply Chains. -- Data Augmentation of Gujarati Texts for Sentiment Analysis. -- Resource-Aware Arabic LLM Creation: Model Adaptation, Integration, and Multi-Domain Testing. -- Data to Decisions: A Computational Framework to Identify Skill Requirements from Advertorial Data. -- Priority-Based Weighted Constrained Crowd Judgement Analysis with Quantum Genetic Algorithm. -- A Novel Efficient Approach for Feature Selection for Enhanced Performance in Breast Cancer Prediction.

Sommario/riassunto

This book constitutes the refereed proceedings of the 4th International Conference on Advanced Network Technologies and Intelligent Computing, ANTIC 2024, held in Varanasi, India, during December 19–21, 2024. The 95 full papers and 15 short papers included in this book were carefully reviewed and selected from 507 submissions. They were organized in topical sections as follows: Advance Network Technologies; and Intelligent Computing.
