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Nota di contenuto	Review of AI Edge Computing Frameworks for Mitigating Incorrect Sensor Readings in Judicious Sensor Fusion Systems -- AI and ML Techniques for 5G and Next Generation Wireless Applications -- Optimal Design of Strength and Penetration Depth of Electric Field into The Thin Paper Film of The Coplanar Capacitive Sensor for Paper Moisture Measurement Application -- Cardiovascular Disease Diagnosis Using Machine Learning Techniques: A comprehensive review -- Enhanced Communication Among Hear-ing Impaired through Gestures and Facial Expression on 3D Avatar -- Diabetic Retinopathy Diagnosis using Image processing and Deep Learning Methods -- Transformative Learning: Exploring Biblical Studies with AI-Powered Chatbot --

Security and Privacy Challenges in cloud computing: analysis and framework for Risk Mitigation -- Anomaly Detection in Industrial Application through Machine Learning: A Case Study of Da Nang's Water Supply Plan -- Torque Control of Power Assisted Steering System (APES) Based on GA_PI Controller -- Leveraging machine learning for cardiovascular disease diagnosis -- RSXBoost: A Hybrid Approach to Crop Yield Forecasting with Literature Insights and Simulation Results -- Enhancing Leaf Disease Detection with Vision Transformers: A Literature Survey and Preprocessing Analysis.

Sommario/riassunto

This book presents original, peer-reviewed select articles from the International Conference on Cognitive & Intelligent Computing (ICCIC-2024), held on November 29–30, 2024, at Hyderabad in India. The proceedings has cutting edge research outcome related to machine learning in control applications, soft computing, pattern recognition, decision support systems, text analytics and NLP, statistical learning, neural network learning, learning through fuzzy logic, learning through evolution (evolutionary algorithms), reinforcement learning, multi-strategy learning, cooperative learning, planning and learning, multi-agent learning, online and incremental learning, scalability of learning algorithms, inductive learning, inductive logic programming, Bayesian networks, support vector machines, case-based reasoning, multi-agent systems, human–computer interaction, data mining and knowledge discovery, knowledge management and networks, data intensive computing architecture, medicine, health, bioinformatics, and systems biology, industrial and engineering applications, security applications, smart cities, game playing and problem solving, intelligent virtual environments, economics, business, and forecasting applications. Articles in the book are carefully selected on the basis of their application orientation. The content is expected to be especially useful for professionals, researchers, and research students working in the area of cognitive and intelligent computing.
