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Systematic Review of Deepfake Detection Using Learning Techniques And Vision Transformer -- Optimizing Graph Colorings: Unleashing the Power of Heuristic Algorithms for Enhanced Problem Solving -- Enhanced Detection of Alzheimer's and Mild Cognitive Impairment: Leveraging Advanced Preprocessing and Convolutional Neural Networks -- Classification of dry beans into Genetic Varieties using deep learning-based Convolutional Neural Networks (CNNs) -- Navigating the Realm of Generative Models: GANs, Diffusion, limitations, and Future Prospects- A review -- Enhancing Software Reliability Through Hybrid Metaheuristic Approaches -- Consumer Perspectives for Purchase Intentions of Online Pharmacy Products Using Generative Artificial Intelligence -- Intelligent Diagnosis of Autism Spectrum Disorder: Harnessing Machine Learning for Enhanced Early Detection -- A Comprehensive Review of Handwriting-Based ADHD Detection in Children with Autism Spectrum Disorder Using Machine Learning -- Bank Churn Prediction: A Holistic Churn Analysis on Imbalanced Data using ML Techniques -- Next-Gen Language Mastery: Exploring Advances in Natural Language Processing Post-Transformers -- Advancements in Machine Learning-Based Mental Health Prediction: A Comprehensive Review -- An economical, time-bound, scalable data platform designed for advanced analytics and AI -- A perspective to Disaster and Emerging technologies for Disaster management -- Machine Learning Innovations in Polycystic Ovarian Syndrome Diagnosis: A Comprehensive Review -- Personality Trait Classification from Online Text using Hybrid Deep Learning Techniques -- Improving Low-Light Images Using an Advanced Histogram Equalization Method and a Self-Calibrated Illumination Technique -- HsMM-based mobility aware cell association method for dynamic bandwidth management in 5G-FRANs -- Blockchain Security in Cloud Computing: Use Cases, Challenges, and Solutions -- Adoption of Blockchain in Banking Industry: Challenges and Perspectives -- An Empirical Investigation into Quantum Algorithms -- Optimizing Real-Time Performance in ML-Based Application Layer Firewalls -- An empirical evaluation of design smells and code smells over multiple versions of software evolution.

| Sommario/riassunto | This book features selected research papers presented at the Fifth International Conference on Computing, Communications, and Cyber-Security (IC4S 2023), organized in Ghaziabad India, during December 1–2, 2023. The conference was hosted at KEC Ghaziabad and Lisbon, Portugal. It includes innovative work from researchers, leading innovators, and professionals in the areas of communication and network technologies, advanced computing technologies, data analytics and intelligent learning, the latest electrical and electronics trends, and security and privacy issues. The work is presented in two volumes. |