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Nota di contenuto	Climate Change Parameter Dataset (CCPD): A Benchmark Dataset for Climate Change parameters in Jammu and Kashmir -- Brain Tumor Classification Using Deep Learning Techniques -- Machine learning Based Hardware Trojans Detection in Integrated Circuits: A Systematic Review -- Impact of Techno Stress on Employee Retention and Employee Turnover -- Single image dehazing using DCP with varying scattering constant -- Detecting IoT malware using federated learning -- A Deep learning approach for BGP security Improvement -- Wireless Sensor Network Protocols in Underwater Communication -- A Genetic Algorithm Approach for Portfolio Optimization -- Security Issues and Solutions in Post Quantum Authenticated Key Exchange for Mobile

Devices -- Towards Decentralized Fog Computing: A comprehensive review of Models, Architectures, and Services -- Analysis of various MAC protocol 802.11 AX -- Monkeypox Disease Classification Using HOG-SVM Method -- A Deep Learning Model for Automatic Recognition of Facial Expressionsusing Haar Cascade Images -- Sensing Performance Analysis using Choatic Signal based SCMA Codebook For Secure Cognitive Communication System in 5G -- Identification of severity level for diabetic retinopathy detection using neural networks -- Metaheuristic optimized BiLSTM univariate time-series forecasting of gold prices -- Improvised Neural Machine Translation Model for Hinglish to English -- Recording of Class Attendance using DL Based Face Recognition Method -- Machine Learning Enabled Hairstyle Recommender System using Multilayer Perceptron -- Automated Health Insurance Management Framework with Intelligent Fraud Detection, Premium Prediction and Risk Prediction -- Responsible Artificial Intelligence for Music Recommendation -- A robot mapping technique for indoor environments -- A Novel Approach to Docking System for Autonomous Unmanned Aerial Vehicles -- Predicting Brain Tumor Survival using MRI Images and Machine Learning Techniques -- Intelligent Approaches of Clinical and Nonclinical Type-1 Diabetes Data Analysis -- A Learning-Based Approach For Wafer Defect Detection In Production Quality Control -- Setting Importance of Features through Means and Majority of Outcomes of Machine Learning Algorithms: An Empirical Analysis -- A Study of Simulated Working of A* and RRT* for Cargo Ship in ASVs -- ESFMS: Design of an Ensemble Sentiment analysis model for Feedback evaluation via Multimodal feature Selection process -- Towards Transfer Learning based Human Anomaly Detection in Videos -- Speech Signal Analysis Using Hybrid Feature Extraction Technique for Parkinson's Disease Prediction -- Dataset Construction and Evaluation for Aspect-Opinion Extraction in Bangla Fine-grained Sentiment Analysis -- Improving Speaker Gender Detection by Combining Pitch and SDC -- Sentiment Analysis of Covid-19 Lockdown in India -- Applications of Smart Agriculture and an Automated Irrigation System Based on the Internet of Things -- Sensitivity of stock pricing to the optimistic and pessimistic sentimentof social media: A shreds of evidence from Nifty Indices -- Revolutionizing Cardiac Care: A Comprehensive Review of ECG-based Arrhythmia Prediction Techniques -- Yoga Posture Estimation and Correction using Mediapipe & Deep Learning Models -- Random Modulus Decomposition for Color Images Optical Asymmetric Cryptosystem Using Gyrator Domain -- A Single Line 8T SRAM Bit Cell with Robust Read, Hold Stability and Low Power -- Improving Chronic Kidney Disease Prediction using ANN with Normalization.

| Sommario/riassunto | This book gathers outstanding papers presented at the International Conference on Data Science and Applications (ICDSA 2023), organized by Soft Computing Research Society (SCRS) and Malaviya National Institute of Technology Jaipur, India, from 14 to 15 July 2023. The book is divided into four volumes, and it covers theoretical and empirical developments in various areas of big data analytics, big data technologies, decision tree learning, wireless communication, wireless sensor networking, bioinformatics and systems, artificial neural networks, deep learning, genetic algorithms, data mining, fuzzy logic, optimization algorithms, image processing, computational intelligence in civil engineering, and creative computing. |