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	Nota di contenuto	Comparative Analysis of various SRAM bit cells for 32nm technology node -- Uncovering the Threat: Exploring Covert Channel Attacks via Audio Files in Android Applications -- Emotion Recognition through Facial Expressions from Images using Deep Learning Techniques -- Optimization of Process Parameters In The Abrasive Waterjet Machining Using Bees Algorithm -- Advancement on Steganography: A Review -- Ethereum Blockchain For Private Equity Crowdfunding : Enabling Seamless USDC and Share Token Transactions -- Graph Convolutional Neural Network for IC50 Prediction Model using Amyotrophic Lateral Sclerosis Targets -- Cardiovascular Disease Prediction using Deep Learning Models -- Classification of Skin Cancer Using Integrated Methodology -- Identification of Mycobacterium Tuberculosis

Employing VGG-16 Feature Extraction and Classification Using Prominent Machine Learning Classifiers on X-rays -- Cyber - Crime Analysis of India using Machine Learning -- Mapping a Conceptual Model of Color Forecasting:A Review of Machine Learning Algorithms for Enhanced Prediction Accuracy and Efficiency -- Estimation of Net Primary Productivity using CASA Biosphere Model in Hyderabad and Roorkee Region of India -- Machine Learning Models for Chronic Renal Disease Prediction -- ARTHRO - Knee Osteoarthritis Detection Using Deep Learning -- Improvised Real Time Tweet Analysis for Brand Recognition -- AI Based Facial Emotion Recognition -- Improved Genetic Algorithm in a Static Environment for the Robotic Path Planning Problem -- Development of An Event-based Dataset For Abnormal Activity Detection -- Media Text Analysis based on One-Dimensional Hashtag Embeddings -- Occluded Face Recognition using Non-global Features Extraction and K-means Clustering Algorithm -- Brain Tumor Segmentation Using Gaussian Based U-Net Architecture -- Utility of smoothing techniques in yield curve modeling for non-steady state data of Sri Lanka capital market -- WSN based secure and energy efficient smart parking management system (SPMS)using FFA-ANN -- Multilingual approach to decode Shree Rama Prashanavali using Character Recognition and String Matching -- An enhanced approach for automatic sound event detection using neural networks -- Detecting Issues Related to Environmental, Social, and Corporate Governance using SEC-BERT -- Comprehensive Analysis of Deep Learning Models for Brain Tumor Detection from Medical Imagine -- Face Counting based on pre-trained machine learning models: A brief systematic review -- A Machine Learning - Driven Soil Nutrient, and Crop Yield Recommendation Platform with Pesticide Suggestions -- A Machine Learning Approach to optimize the water consumption for irrigation of rice crop -- Raithubot: An RLHF-Finetuned Telugu Chatbot for Farmers -- UAV Enabled Systems for Industry 4.0: Applications and Challenges -- User Reception is Everything: Using a Neural Network to Predict iOS App Ratings -- A Survey of Motion Prediction for Autonomous Vehicles using the Lyft Dataset -- Dengue Fever Outbreak Prediction using Machine Learning Models: A Comparative Study Dengue Fever -- Improved Appearance Model for Handling Occlusion in Vehicle Tracking -- Enhanced Dynamic Vehicle Detection and Tracking to Improve the Quality of Image Processing using Deep Learning -- Construction of Substitution Box from Nordstrom-Robinson (N16) Code -- Natural Language to Unified Modeling diagrams A Deep Learning Approach -- Time-dependent Enhanced Personalized Semantic Map-based Transportation Mode Recommendation System -- Web Based Threat Identification Using Classification Algorithm.

| 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. |