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Disciplina	004
Soggetti	Data structures (Computer science) Information theory Application software Machine learning Computers Data Structures and Information Theory Computer and Information Systems Applications Machine Learning Computing Milieux
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Livello bibliografico	Monografia
Nota di contenuto	Text based Traffic Signboard Detection using YOLO v7 Architecture -- Energy Preserving ABE-based Data Security Scheme for Fog Computing -- An Approach for Effective Object Detection -- An Algorithm for solving two variable linear diophantine equations -- Deep Watcher: A Surveillance System using Deep Learning for the COVID-19 Pandemic -- Multiple linear regression based analysis of weather data for precipitation and visibility prediction -- Optimal and Event Driven Adaptive Fault Diagnosis for Arbitrary Network -- Analysis of Routing

in IoT -- Autism children Behavioural Identification from Facial Regions through Thermal Image interpretations -- Synthesis of Elementary Cellular Automata for Targeted Cache Applications -- Optimal Perfect Phylogeny using ILP and Continuous Approximations -- A Novel Method for Near-Duplicate Image Detection Using Global Features -- VSMAS2HN: Verifiably Secure Mutual Authentication Scheme for Smart Healthcare Network -- Optimal KAZE and AKAZE Features for Facial Similarity Matching -- Modified InceptionV3 using Soft Attention for the Grading of Diabetic Retinopathy -- Comprehensive Study of Cyber Security in AI Based Smart Grid -- Sentiment classification of Diabetes-related tweets using transformer-based deep learning approach -- Assessment and prediction of a cyclonic event: A Deep learning model -- Technology enabled Self-directed learning: A review and framework -- Detecting Toxic comments using FastText, CNN, and LSTM models -- UEye: Insights on User Interface Design using Eye Movement Visualizations -- Code Mixed Information Retrieval for Gujarati Script News Articles -- Plant Disease classification using VGG-19 based Faster-RCNN -- Classification of Real and Deepfakes visual samples with pre-trained deep learning models -- Deep Learning based Speech Synthesis with Emotion Overlay -- An Ensemble Deep Learning Algorithm to Predict PM2.5 Concentration Levels in Bengaluru's Atmosphere -- Deep learning model based on a Transformers network for sentiment analysis using NLP in sports worldwide -- An Effective Framework for Sentiment Analysis using RNN and LSTM-based Deep Learning Approaches -- Spatial Domain Method for Image Analysis: A Grey-Level Computation Approach -- Crop yield prediction for smart agriculture with climatic parameters using Random Forest -- Implementation of XGBoost Regression for Calories Burnt Prediction using R -- Text Data Augmentation Using Generative Adversarial Networks, Back Translation and EDA -- Machine Learning-Based Temperature Monitoring and Prediction -- Pathrank Algorithm: Ranking Proteins in Mycobacterium tuberculosis and Human PPI Weighted Bipartite Graph Network -- Circ RNA based Classification of SARS CoV-2, SARS CoV-1 and MERS-CoV using Machine Learning -- Ensemble Approach to Classify Spam SMS from -- A Scientific Study for Breast Cancer Detection Using Various Machine Learning Algorithms -- YOLO based segmentation and CNN based classification Framework for epithelial and pus cell detection -- Employing a Novel Metaheuristic Algorithm to Optimize an LSTM Model: A Case Study of Stock Market Prediction -- Driver Dozy Discernment using Neural Networks with SVM Variants -- An Efficient (MFFPA-2) Multiple Fuzzy Frequent Patterns Mining with Adjacency matrix and Type-2 Member function -- Student Personality, Motivation and Sustainability of Technology Enhanced Learning: A SEM-based Approach -- Spear Phishing Using Machine Learning -- An Interpretable Deep Learning model for Skin Lesion Classification -- Unsupervised Ambient Vibration-Based Feature Extraction for Structural Damage Detection -- A New Grey Correlational Compromise Ranking Approach for Portfolio Selection for Investment in ESG Stocks -- Decision Tree based Test Case Generation using Story Board and Natural Language Processing.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Conference on Advances in Computing and Data Sciences, ICACDS 2023, held in Kolkata, India, during April 27–28, 2023. The 47 full papers included in this book were carefully reviewed and selected from 22 submissions. The papers focus on advances of next generation computing technologies in the areas of advanced computing and data sciences.
