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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2026
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Soggetti	Image processing - Digital techniques Computer vision Artificial intelligence Computer systems Social sciences - Data processing Application software Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer System Implementation Computer Application in Social and Behavioral Sciences Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Artificial Intelligence and Applied Machine Learning -- Building a Heroin Abuse Prediction Model: A Generalized Machine Learning Approach -- Fake News Detection Using Transfer Learning -- Deep Learning Envisioned Accident Detection System -- Revolutionizing Drug Discovery: Unleashing AI's Potential in Pharmaceutical Innovation -- Empathy-Driven Chatbots for the Arabic Language: A Transformer Based Approach -- Image Classification Using Federated Learning -- Preserving Accuracy in Federated Learning via Equitable Model and Efficient Aggregation -- Fake News Investigation Using Ensemble

Machine Learning Techniques -- Deep Learning Based Bug Detection in Solidity Smart Contracts -- Comparative Analysis of CNN Pre-trained Model for Stock Market Trend Prediction -- Deep Reinforcement Learning Based Energy-Efficient Design for STAR-IRS Assisted V2V Users -- Deep Reinforcement Learning Based Intelligent Resource Allocation Techniques with Applications to Cloud Computing -- A Review on Machine Learning Techniques in IoT-based Smart Grid Applications -- Transformation Of Corporate Social Responsibility Practices: Adapting Artificial Intelligence and Internet of Things -- Various Active Learning Strategies Analysis in Image Labeling: Maximizing Performance with Minimum Labeled Data -- Applied Image Processing and Pattern Recognition -- Potato Leaf Disease Classification Using Federated Learning -- Sugarcane Bud Detection using YOLOv5 -- ELA-Conv: Forgery Detection in Digital Images Based on ELA and CNN -- Leveraging Wavelets and Deep CNN for Sleep Pattern Recognition in Road Safety: An EEG Study -- Recognition and Transcription of Archaic Handwritten Modi Script Document: A Thought-provoking Crucial Research Area -- An Arabic Chatbot Leveraging Encoder-Decoder Architecture Enhanced with BERT -- FNMD: An Evaluation of Machine learning and Deep learning Techniques for Fake News Detection -- Enhancing Robotic Systems for Revolutionizing Healthcare using Markov Decision Processes -- Optimizing Drone Navigation using Shortest Path Algorithms -- Trees Detection from Aerial Images using the YOLOv5 Family -- A Study on Automatic Detection, Length and Mass Estimation of Fishes in Aqua Farming Environment -- Comparative Analysis of Various Transfer Learning Approaches In Deep CNNs for Image Classification -- Biometrics and Applications -- Iris Recognition System in the Context of Authentication -- Deep Learning for Biometric Attack Detection and Recognition -- A Novel Biometric Authentication based on Blockchain and Watermarking -- Hybrid Transfer Learning Approach for Emotion Analysis of Occluded Facial Expressions.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Recent Trends in Image Processing and Pattern Recognition, RTIP2R 2023, held in Derby, UK, during December 2023, in collaboration with the Applied AI Research Lab at the University of South Dakota. The 62 full papers included in this book were carefully reviewed and selected from 216 submissions. The papers are organized in the following topical sections: Volume I: Artificial intelligence and applied machine learning; applied image processing and pattern recognition; and biometrics and applications. Volume II: Healthcare informatics; pattern recognition in blockchain, IOT, cyber plus network security, and cryptography.

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