

1. Record Nr.	UNINA9910983323903321
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Titolo	Machine Learning Algorithms : First International Conference, ICMLA 2024, Himachal Pradesh, India, February 23–24, 2024, Proceedings // edited by Meenu Khurana, Abhishek Thakur, Praveen Kantha, Chin-Shiuh Shieh, Rajesh K. Shukla
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031758614 3031758617
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (485 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2238
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Disciplina	006.3
Soggetti	Artificial intelligence Machine learning Expert systems (Computer science) Artificial Intelligence Machine Learning Knowledge Based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Machine Learning. -- Performance Evaluation of Hybrid Machine Learning Models for Prediction of Coronary Disorder in Smart Healthcare Systems -- Feature Based Machine Learning Models for Cardiovascular Disease Diagnosis: An Experimental Analysis. -- Early Liver Disease Detection through Visual Interface and Machine Learning. -- Diagnosing Autism Spectrum Disorder in Children Using Various Machine Learning Methods: A Review. -- Quantum Influence on Social Media Content: Employing Machine Learning for Sentiment Analysis. -- Predicting Forex Trends: A Comprehensive Analysis of Supervised Learning in Exchange Rate Prediction. -- 5G wireless technology throughput prediction using ensemble machine learning approach. --

Severity prediction of Omicron Sub-Variant JN.1 by using Machine Learning. -- IoT-inspired Smart Drought Prediction Framework: Machine Learning Approach. -- Deep DWT Feature Modeling for Alzheimer's Disease Prediction: A Unique Approach. -- MobileNetV2: A proficient convolutional neural network for the Classification of Date Fruits into Genetic Varieties. -- Greenhouse Gas Prediction Using LSTM Algorithm Based on Microsensor in Bandung City, Indonesia. -- Revolutionizing Education: Assessing the Effectiveness of SER-CTL Methodology in Post-COVID Learning Environments. -- Improved Whale Optimization Algorithm for Cluster Analysis. -- Property Price Prediction using Regression Analysis. -- Personalized Healthcare Recommendations with Q-Learning Reinforcement Learning. -- Pioneering Healthcare Innovations with the Convergence of Blockchain, AI, and the Internet of Medical Things (IoMT). -- The Evolution and Potential of Conversational Agents in Healthcare. -- A Computer Aided Detection System for Lung Nodules Classification. -- A Note on Interpolation of Hermitian Signal: Based on Centrosymmetric Property. -- An Efficient Algorithm for Hadamard Product of Centrosymmetric Matrices. -- Investigation on Combined Impacts of Different Clustering Techniques and Enhanced K-means Algorithm. -- Comprehensive Exploration of IoT Communication Protocol: CoAP, MQTT, HTTP, LoRaWAN and AMQP. -- A Systematic Review on Blockchain Technology. -- A survey on datasets, feature extraction and classification techniques used in personality classification from handwriting. -- Image Processing. -- A Generic Approach for Detection of Copy-Move Forgery Detection Scheme from Digital Images. -- An Effective Biometric Medical Image Watermarking System Designed for e-Health Application. -- Exploring Diverse Techniques in Image and Video Forgery. -- Enhancing the Accuracy of Automatic Bone Age Estimation using Optimized CNN Model on X-Ray Images. -- Machine learning-based detection of forgery in digital images. -- FaceEvoke: Eliciting Emotions through Facial Analysis. -- Efficient Aerial Object Detection: An Exploration with YOLOv8. -- Kidney Tumor Classification using Deep Learning Techniques from Computed Tomography Images. -- Unsupervised Learning for Image Forgery Detection. -- An advanced approach to detect and classify lung nodules using CT image. -- Robust Iris Image Encryption via Black Widow Optimization Method. -- Deep Learning. -- An Analysis of Deep Learning Models for Conversational Agents in Healthcare. -- Critical Evaluation of Deep Learning Models for Heart Disease Detection. -- Revolutionizing Cancer Diagnosis: The Power of Deep Learning Ensembles in Lung and Colon Cancer. -- VGG-Inspired Convolutional Neural Network Denoiser for the Enhancement of Mammogram Images.

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## Sommario/riassunto

This book constitutes the refereed proceedings of the First International Conference on Machine Learning Algorithms, ICMLA 2024, held in Himachal Pradesh, India, during February 23–24, 2024. The 23 full papers and 17 short papers included in this book were carefully reviewed and selected from 400 submissions. They were organized in the following topical sections: machine learning; image processing; deep learning.

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