

1. Record Nr.	UNINA9910921008403321
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Titolo	Machine Learning for Social Transformation : Proceedings of EAIT 2024 // edited by Jyotsna Kumar Mandal, Debashis De
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819775323 9819775329
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (566 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1131
Altri autori (Persone)	DeDebashis
Disciplina	006.31
Soggetti	Computational intelligence Artificial intelligence Machine learning Technology - Sociological aspects Information technology Computational Intelligence Artificial Intelligence Machine Learning Information and Communication Technologies (ICT)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Credibility Detection Utilizing Fuzzy Weight Strategy -- Image Caption Generation using Neural Networks -- The development of unsupervised Seq2Seq based LSTM Network algorithm for forecasting infectious disease -- Isolated Word Recognition and Feature Extraction Using Machine Learning -- Bladder Segmentation in MRI for High Dose Rate Brachytherapy Using Deep Network -- Central Bank Digital Currency: Policy Implications through Polarity and Sentiment Analysis -- Advanced Aerial Object Detection using Enhanced YOLOv3 with Leaky ReLU and Dilated Convolutions -- From Field to Cloud: IoT and Machine Learning Innovations in High-Throughput Phenotyping -- Catching Lies in the Act : Early Misinformation Detection using Linguistic Cues and Contextual Information -- DNA Sequencing-induced Cancer Detection: A Representation Learning-inspired Sustainable Transformation in

Internet of Healthcare -- Prediction And Analysis of Rare Symptoms Using Association Rule Mining in Health Care Data Without Tree Generation -- Unraveling the Molecular Landscape of Myasthenia Gravis (MG): A Principal Component Analysis (PCA) of Gene Expression Dataset -- Unlocking the Potential of Machine Learning and Deep Learning for Screening of Geriatric Depression -- IoMT-based Point-of-Care Testing for PCOS Diagnosis using Dempster Shafer Theory of Evidence -- Analysis of Breast cancer classification using deep CNN with adaptive learning rate -- Detecting Schizophrenia Patients Using Deep Learning Models -- Application of Neural Network for Reducing Emission and Optimizing performance of Hydrogen with Biofuel CI Engine -- Water Distribution Network Using IoT Sensors for Residential Areas from Household Rainwater -- A Sustainable, Paperless Environment Using Machine Learning in Hospitals and Medical Sectors -- Deep Feature Learning for Detecting Water Pollution from Industrial Waste -- Multi-Linear Regression Model for Water Prediction and Monitoring in North Twenty-Four Parganas, India -- Machine Learning Based Water Need Estimation for Smart Irrigation System -- Best Defense Practices Against Web Server Attacks By Using and Evaluating NSM Tools.

Sommario/riassunto

The book includes original unpublished contributions presented at the Eighth International Conference on Emerging Applications of Information Technology (EAIT 2024), organized by Computer Society of India, Kolkata Chapter during 12 – 13 January 2024. The Theme of the conference is “Machine Learning for Social Transformation”. The book covers the topics such as computational intelligence for social transformation, machine learning for healthcare informatics, and machine learning for agriculture and environmental sustainability.
