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Autore	Mosbah Mohamed
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Nota di contenuto	Machine Learning and Optimization -- Scoring Unstructured Data from Online Social Network for Homeland Security Applications -- A Comparative Analysis of Time Series Transformers and Alternative Deep Learning Models for SSVEP Classification -- MixUp Data Augmentation for Handwritten Arabic Mathematical Symbols Recognition -- Natural Language Processing -- Towards an Open Domain Arabic Question Answering System: Assessment of the Bert Approach -- Multi-lingual scene text detection containing the Arabic scripts using an optimal then enhanced YOLO model -- Transfer Learning Model for Cyberbullying Detection in Tunisian Social Networks -- Modeling and Data Management -- Node2Vec stability: preliminary study to ensure the compatibility of embeddings with incremental data alignment -- Towards Enabling Domain-Specific Modeling Language Exchange between Modeling Tools -- Healthcare Applications -- The Power of Prognosis: Cox Model Prediction of Disease-Free Survival in Colon Cancer -- Transfer Learning in Segmenting Myocardium Perfusion Images -- Smart Saliency Detection For Prosthetic Vision -- Automatic Detection of Multiple Sclerosis Using Genomic Expression -- DEITS Worshop: Data Engineering in IoT Systems -- Distributed and Collaborative Learning Approach for Stroke Prediction -- IoT Technologies for Smart Healthcare Buildings with Distributed Deep Learning Techniques -- How Does Blockchain Enhance Zero Trust Security in IoMT -- HIPAA and GDPR compliance in IoT healthcare systems -- A Secure IoT Architecture for Industry 4.0 -- From functional requirements to NoSQL database models: application to IoT Geospatial Data -- A survey on intrusion detection systems for IoT networks based on long short-term memory.
Sommario/riassunto	This volume constitutes short papers and DEITS 2023 workshop papers, presented during the 12th International Conference on Model and Data Engineering, MEDI 2023, held in Sousse, Tunisia, in November 2023. The 12 short papers presented were selected from the total of 99 submissions. This volume also contains the 7 accepted papers from the DEITS 2023 workshop, held at MEDI 2023. The volume focuses on machine learning and optimization; natural language processing; modeling and data management; healthcare applications; data engineering in IoT systems. .