1. Record Nr. UNINA9910746286103321

Titolo	Data Analytics for Internet of Things Infrastructure / / edited by Rohit Sharma, Gwanggil Jeon, Yan Zhang
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031338083 3031338081
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xv, 326 pages) : illustrations
Collana	Internet of Things, Technology, Communications and Computing, , 2199-1081
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Disciplina	004.678
Soggetti	Cooperating objects (Computer systems) Telecommunication Application software Cyber-Physical Systems Communications Engineering, Networks Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Big Data in Cloud Today – A Comprehensive Survey -- Chapter 2. Cloud of things platform for water meter network -- Chapter 3. Online newspaper development within the Internet of Things environmental: A Role of Computer-mediated communication -- Chapter 4. FATS-Fuzzy Authentication to provide Trust based Security in VANET to Mitigate Black Hole Attack -- Chapter 5. AI-Based Chatbot Agents as Drivers of Purchase Intentions- An Interdisciplinary Study -- Chapter 6. An Intelligent Model for Identifying the Fluctuation of the Stock Market and Predict the Investment Policies with Assured Return -- Chapter 7. Sandwiched Metasurface Antenna for Small Spacecrafts in IoT Infrastructure -- Chapter 8. Development of Laser Beam Cutting Edge Technology and IoT Based Race Car Lapse Time Computational System -- Chapter 9. A Study of Cloud Based Solution for Data Analytics -- Chapter 10. An Intelligent Model for Optimizing Sparsity

Problem towards Movie Recommendation Paradigm using Machine Learning -- Chapter 11. Techniques to identify image objects in adverse environmental conditions – A Systematic Literature Review -- Chapter 12. Technology-Enhanced Teaching and Learning During the COVID-19 Pandemic using IoT Infrastructure -- Chapter 13. The symbiotic relation of IOT and AI for the applications in various domains: Trends and future directions -- Chapter 14. Text Summarization for Big Data Analytics: A Comprehensive Review of GPT 2 and BERT Approaches -- Chapter 15. Leveraging Secured E-Voting using Decentralized Blockchain Technology -- Chapter 16. Multi-Layer Security and Privacy Provision in Internet of Things Networks: Challeneges and Future Trend -- Chapter 17. A methodology for the development of soft sensors with Kafka-ML.

Sommario/riassunto

This book provides techniques for the deployment of semantic technologies in data analysis along with the latest applications across the field such as Internet of Things (IoT). The authors focus on the use of the IoT and big data in business intelligence, data management, Hadoop, machine learning, cloud, smart cities, etc. They discuss how the generation of big data by IoT has ruptured the existing data processing capacity of IoT and recommends the adoption of data analytics to strengthen solutions. The book addresses the challenges in designing the web based IoT system, provides a comparative analysis of different advanced approaches in industries, and contains an analysis of databases to provide expert systems. The book aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of IoT and big data analytics. Provides deployment of semantic technologies in dataanalysis along with the latest applications in Internet of Things; Familiarizes readers with the data analysis environment so they can apply it in Internet of Things; Addresses the challenges in designing web based IoT systems.