

1. Record Nr.	UNINA9910523892203321
Titolo	Artificial Intelligence for Cloud and Edge Computing // edited by Sanjay Misra, Amit Kumar Tyagi, Vincenzo Piuri, Lalit Garg
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-80821-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (358 pages)
Collana	Internet of Things, Technology, Communications and Computing, , 2199-1081
Disciplina	006.3
Soggetti	Artificial intelligence Cooperating objects (Computer systems) Telecommunication Artificial Intelligence Cyber-Physical Systems Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction -- Introduction about Artificial Intelligence (AI) and Cloud, Fog and Edge Computing -- Internet of Things based Cloud Architecture and Its Applications -- Big Data Analytics of Internet of Things based Cloud Systems -- Machine and Deep Learning Techniques for Internet of Things based Cloud Systems -- Computer Vision: Visualizing the Smart Era with Artificial Intelligence -- Security, Privacy and Trust issues in AI Based Cloud and IoT based Cloud Systems -- AI for Smart data storage in Cloud-based Internet of Things -- Blockchain Based Solutions for AI Based Cloud and IoT based Cloud Systems -- Security and information assurance for Big Data -- Content delivery networks, or schemes using AI on stored at clouds -- Trustworthy Machine Learning for IoT-based Cloud systems -- Authentication and Control: Detecting Cyber Attacks on Cloud Using AI -- Security Management and Security Operations using Artificial Intelligence for Cloud -- Digital Trust and Reputation using Artificial Intelligence for Cloud -- Improving Information Security and Awareness in Society 5.0 and Industry 4.0 using AI -- Open Challenges and New

Horizons for IoTs based Cloud Applications and AI based Cloud Applications -- Artificial Intelligence: Hope for future or Hype by Intellectuals -- Real World's Case Studies -- Conclusion.

Sommario/riassunto

This book discusses the future possibilities of AI with cloud computing and edge computing. The main goal of this book is to conduct analyses, implementation and discussion of many tools (of artificial intelligence, machine learning and deep learning and cloud computing, fog computing, and edge computing including concepts of cyber security) for understanding integration of these technologies. With this book, readers can quickly get an overview of these emerging topics and get many ideas of the future of AI with cloud, edge, and in many other areas. Topics include machine and deep learning techniques for Internet of Things based cloud systems; security, privacy and trust issues in AI based cloud and IoT based cloud systems; AI for smart data storage in cloud-based IoT; blockchain based solutions for AI based cloud and IoT based cloud systems. This book is relevant to researchers, academics, students, and professionals. Presents fusion of cloud computing services and AI technology for bringing a significant change in the technology industry; Includes self-assessment problems for increasing knowledge of real world problems, i.e., how AI and cloud/edge computing can change business for the better; Provides innovative results of integrations of AI in other applications such as healthcare, finance, manufacturing, transportation, agriculture, etc.
