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| Descrizione fisica      | 1 online resource (526 pages)  |
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| Soggetti                | Application software<br>Management information systems<br>Computer organization<br>Information Systems Applications (incl. Internet)<br>Enterprise Architecture<br>Business Information Systems<br>Business IT Infrastructure<br>Computer Systems Organization and Communication Networks  |
| Lingua di pubblicazione | Inglese  |
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| Livello bibliografico   | Monografia   |
| Nota di contenuto       | Part 1: Internet of Things (IoT) Architecture -- Internet of Things (IoT): Concept and Applications -- Chapter 1. Foundation of IoT: An Overview -- Chapter 2. Cloud Computing for IoT -- Chapter 3. Open Service Platforms for IoT -- Part 2: Solutions and Enablers for IoT -- Chapter 4. Resource Management Techniques for Cloud-Based IoT Environment -- Chapter 5. Data Management for the Internet Of Things -- Chapter 6. Machine Learning for IoT Systems -- Chapter 7. Supervising Data Transmission Services Using Secure Cloud Based Validation and Admittance Control Mechanism -- Part 3: IoT Challenges and Issues -- Chapter 8. Tackling Jamming attacks in IoT -- Chapter 9. Bio-inspired Techniques for Data Security in IoT -- Chapter 10. A Chaos-based Multi-level Dynamic Framework for Image Encryption -- Chapter 11. Privacy Challenges and Solutions -- Part 4: The IoT World of Applications -- Chapter 12. Mobile Computing and IoT -- Chapter 13. |

Single Activity Recognition System: A Review -- Chapter 14. Deep Learning and IoT for Agricultural Applications -- Chapter 15. IoT for Crowd Sensing and Crowd Sourcing -- Chapter 16. Smart Infrastructures -- Part 5: IoT for Smart Cities -- Chapter 17. IoT application for smart cities data storage and processing based on triangulation method -- Chapter 18. Intelligent Environment Protection -- Chapter 19. Smart Agriculture -- Chapter 20. Intelligent Healthcare Solutions -- Chapter 21. Smart Car – Accident Detection and Notification using Amazon Alexa -- Chapter 22. Prioritization of Challenges towards development of Smart Manufacturing using BWM Method -- Part 6: Next Generation Smart Applications -- Chapter 23. Surveillance of Type –I & II Diabetic Subjects on Physical Characteristics: IoT and Big Data Perspective in Healthcare @NCR, India -- Chapter 24. Monitoring System Based in Wireless Sensor Network for Precision Agriculture -- Chapter 25. Securing E-Health IoT Data on Cloud Systems using Novel Extended Role Based Access Control Model -- Chapter 26. An Efficient Approach towards Enhancing the Performance of m-Health using Sensor Networks and Cloud Technologies -- Chapter 27. Future Internet of Things (IOT) from cloud perspective: Aspects, Applications and Challenges.

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### Sommario/riassunto

This book's objective is to explore the concepts and applications related to Internet of Things with the vision to identify and address existing challenges. Additionally, the book provides future research directions in this domain, and explores the different applications of IoT and its associated technologies. Studies investigate applications for crowd sensing and sourcing, as well as smart applications to healthcare solutions, agriculture and intelligent disaster management. This book will appeal to students, practitioners, industry professionals and researchers working in the field of IoT and its integration with other technologies to develop comprehensive solutions to real-life problems.

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