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1st Edition

Blockchain-based Internet of Things Opportunities, Challenges and Solutions


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Description

This reference text presents an overview of the blockchain-based internet of things systems, along with the opportunities, challenges, and solutions in diverse fields such as business, education, agriculture, and healthcare. It discusses scalability, security, layers, threats, and countermeasures in blockchain-based internet of things network.

- It elaborates on the opportunities presented by combining blockchain with artificial intelligence on the internet of things systems in the management of food systems, and drug supply chains.
- It explains the management of computationally intensive tasks in blockchain-based internet of things through the development of lightweight protocols.
- It presents various applications in fields including logistics and the supply chain, automobile industry, smart housing, shared economy, and agriculture.
- It provides insights into blockchain-based internet of things systems, along with their features, vulnerabilities, and architectural flaws.
- The text is primarily written for graduate students, and academic researchers working in the fields of computer science and engineering, electrical engineering, and information technology.

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