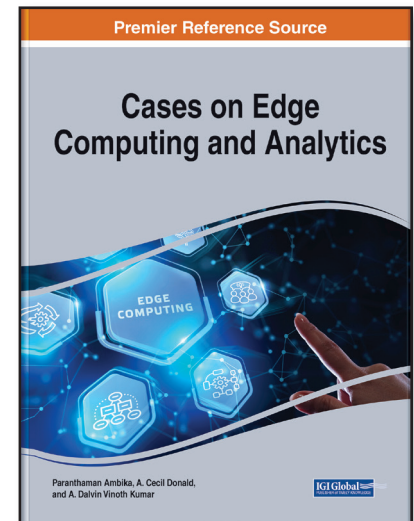# Cases on Edge Computing and Analytics

Part of the Advances in Computational Intelligence and Robotics Book Series

Paranthaman Ambika (Kristu Jayanti College, India), A. Cecil Donald (Kristu Jayanti College, India) and A. Dalvin Vinoth Kumar (Kristu Jayanti College, India)

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Cases on Edge Computing and Analytics

Paranthaman Ambika, A. Cecil Donald, and A. Dalvin Vinoth Kumar

Description:

Edge computing and analytics are fascinating the whole world of computing. Industry and business are keenly embracing this sound concept to develop customer-centric solutions by enhancing their operations, offerings, and outputs. There is a bevy of advancements in this domain that came with the arrival of IoT devices. The seamless convergence of microservices and serverless computing creates vast opportunities. With the help of IoT devices and these other developments, there has become a deep interest in business automation and additional improvisations in edge computing. With the steady growth of edge devices and applications of IoT fog/edge computing and analytics, there are also distinct challenges and threats. Research has been keenly focused on identifying and understanding these issues and shortcomings to bring viable solution approaches and algorithms.

Cases on Edge Computing and Analytics describes the latest innovations, improvements, and transformations happening with edge devices and computing. It addresses the key concerns of the edge computing paradigm, how they are processed, and the various technologies and tools empowering edge computing and analytics. While highlighting topics within edge computing such as the key drivers for implementation, computing capabilities, security considerations, and use-cases, this book is ideal for IT industry professionals and project managers, computer scientists, computer engineers, and practitioners, stakeholders, researchers, academicians, and students looking for research on the latest trends and transitions in edge computing.

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Topics Covered:

- Access Control
- Analytics
- Communication Networks
- Cryptography
- Data Security
- Deep Learning
- Edge Architecture
- Edge Computing
- Healthcare Applications
- Internet of Things

Subject: Computer Science and Information Technology

Classification: Casebook

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners