Machine Learning-Enabled IoT for Smart Applications Across Industries
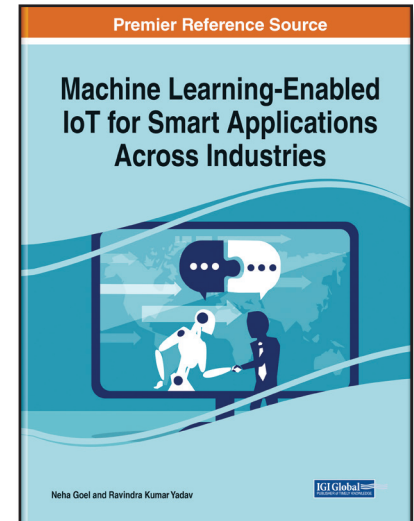
Part of the Advances in Systems Analysis, Software Engineering,
and High Performance Computing Book Series

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Description:

Machine learning (ML) and the internet of things (IoT) are the top technologies used by businesses to increase efficiency, productivity, and competitiveness in this fast-paced digital era transformation. ML is the key tool for fast processing and decision making applied to smart city applications and next-generation IoT devices, which require ML to satisfy their working objective. IoT technology has proven efficient in solving many real-world problems, and ML algorithms combined with IoT means the fusion of product and intelligence to achieve better automation, efficiency, productivity, and connectivity.

Machine Learning-Enabled IoT for Smart Applications Across Industries highlights the importance of ML for IoT's success and diverse ML-powered IoT applications. This book addresses the problems and challenges in energy, industry, and healthcare and solutions proposed for ML-enabled IoT and new algorithms in ML. It further addresses their accuracy for existing real-time applications. Covering topics such as agriculture, pattern recognition, and smart applications, this premier reference source is an essential resource for engineers, scientists, educators, students, researchers, and academicians.

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Topics Covered:

Agriculture	Machine Learning
Equipment	Mechanization
HR Analytics	Pattern Recognition
Internet of Things (IoT)	Smart Applications
IoT in Healthcare	Solar Panel Tilting System

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

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