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Principles of Artificial Intelligence, IoT and Machine Learning

Series Editor:

Shanu Khare
Computer Science & Engineering
Chandigarh University
India
Shanukhare0@gmail.com

Navjot Singh Talwandi
Computer Science & Engineering
Chandigarh University
India
Navjotsingh49900@gmail.com

Payal Thakur
Computer Science & Engineering
Chandigarh University
India
Payalthakur16@gmail.com

Veeramanickam M.R.M
Computer Science & Engineering
Chandigarh University India
manic.veera@gmail.com

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Call for Chapters

Principles of Artificial Intelligence, IoT and Machine Learning

Aims and Scope:

The primary aim of this book is to provide a comprehensive and in-depth introduction to the fundamental principles of Artificial Intelligence (AI), Internet of Things (IoT), and Machine Learning (ML). The book aims to provide a solid foundation for understanding the concepts, theories, and techniques that underlie these technologies, enabling readers to appreciate their potential applications and limitations. By covering the key principles and concepts, this book will equip readers with the knowledge and skills necessary to design, develop, and implement intelligent systems that can solve complex problems in various domains. This book will cover the theoretical foundations of AI, IoT, and ML, including the key concepts, algorithms, and techniques used in these fields. The book will explore the principles of AI, including machine learning, natural language processing, and computer vision, as well as the fundamentals of IoT, including sensing, actuation, and communication. The book will also delve into the principles of ML, including supervised and unsupervised learning, deep learning, and reinforcement learning. The target audience includes students, researchers, and professionals who want to gain a deep understanding of the principles of AI, IoT, and ML, and apply them to real-world problems.

List of Topics :

• Chapter 1: Introduction to AI, ML, and IoT
• Chapter 2: Principles of Artificial Intelligence
• Chapter 3: Principles of Internet of Things
• Chapter 4: Principles of Machine Learning
• Chapter 5: AI, IoT, and ML Applications
• Chapter 6: AI and ML for Cybersecurity and Risk Management
• Chapter 7: Mathematical and Computational Foundations
• Chapter 8: Ethics and Governance of AI and ML in Business
• Chapter 9: Case Studies: Successful Implementations of AI, ML, and IoT in Various Industries
• Chapter 10: Future Directions: Emerging Trends and Opportunities in AI, ML, and IoT for Business

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