

AI-Enhanced Solutions for Sustainable Cybersecurity

Part of the Advances in Information Security, Privacy, and Ethics Book Series

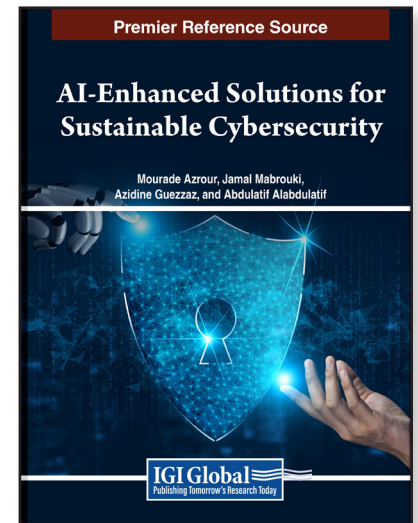
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Description:

The rapid advancement of technology brings with it unprecedented opportunities for innovation and connectivity. However, alongside these advancements, the threat of cybersecurity breaches looms larger than ever. Cybersecurity breaches pose a significant challenge for individuals, organizations, and societies at large. As interconnections between digital environments multiply, so do the avenues for malicious actors to exploit vulnerabilities, jeopardizing the integrity of data and infrastructure. The escalating issue of cybersecurity demands a proactive and sustainable solution.

AI-Enhanced Solutions for Sustainable Cybersecurity is a groundbreaking and comprehensive exploration of how artificial intelligence (AI) can be leveraged to fortify cybersecurity defenses in an increasingly complex digital landscape. By delving into topics such as intrusion detection systems, authentication protocols, and IoT security, the editors provide a nuanced understanding of the challenges facing cybersecurity practitioners today.

This book provides actionable strategies and practical solutions for mitigating cybersecurity threats using AI methodologies. Through real-world case studies and expert analyses, readers gain valuable knowledge on identifying vulnerabilities, detecting anomalies, and safeguarding digital assets. With this book, researchers, academics, and industry professionals alike are equipped to confront the cybersecurity challenges of tomorrow with confidence and resilience.



ISBN: 9798369363713

Pages: 320

Copyright: 2025

Release Date: September, 2024

Hardcover: \$315.00

E-Book: \$315.00

**Hardcover +
E-Book:** \$380.00

Topics Covered:

- AI Methodologies
- Authentication Protocols
- Cybersecurity Breaches
- Data Integrity
- Digital Environments
- Digital Landscape
- Innovation And Connectivity
- IoT Security
- Malicious Actors
- Proactive Solutions
- Rapid Technological Advancement
- Real-World Case Studies
- Sustainable Cybersecurity
- Threat Detection
- Vulnerability Exploitation

Subject: Media & Communications

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

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

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