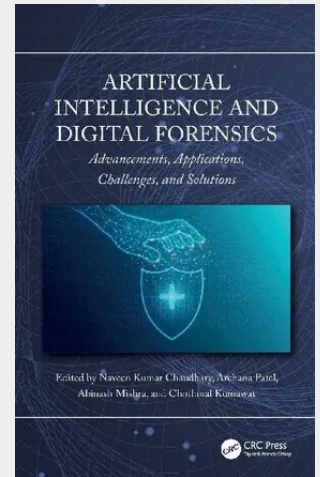


Artificial Intelligence and Digital Forensics

Advancements, Applications, Challenges, and Solutions

Artificial Intelligence (AI) has revolutionized several sectors, with digital forensics being one that has been notably affected by its rapid advancement. AI brings previously unheard-of powers to this field, helping authorities examine large datasets, identify developments, and uncover digital evidence that is essential to cracking cybercrimes. Despite these promising developments, using AI in digital forensics presents problems. The complexity and dynamic nature of cyber-attacks are a significant challenge, demanding the ongoing adaptation of AI models to new attack strategies. This changing environment makes it difficult to create reliable and future-proof solutions. This book explores the advancements, applications, challenges, and solutions that AI brings to the realm of digital forensics. Artificial Intelligence and Digital Forensics: Advancements, Applications, Challenges, and Solutions includes the latest applications and examples with real data making the book meaningful for readers. It is written in very simple language with each technology having its dedicated chapter that explains how it works and provides an example of a real-world application. Key points and a summary are provided at the end of each chapter to enable the readers to quickly review the major concepts as it presents a practical understanding, so the readers can be better equipped to handle AI-based tools with ease and efficiency. The book provides unconditional support to those who are making decisions by using massive data from their organization and applying the findings to real-world current business scenarios addressing the challenges associated with integrating AI into digital forensics and offering practical solutions. It also offers insights into the ethical use of AI technologies and guidance on navigating legal requirements and ensuring responsible and compliant practices. This book caters to industry professionals from diverse backgrounds, including engineering, data science, computer science, law enforcement, and legal experts, fostering a holistic understanding of the subject along with providing practical insights and real-world examples.

Artificial Intelligence (AI) has revolutionized digital forensics, bringing previously unheard-of powers to this field. This book explores the advancements, applications, challenges, and solutions that AI brings to the realm of digital forensics.



122,00 €
122,00 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032844688
Medium: Buch
ISBN: 978-1-032-84468-8
Verlag: CRC Press
Erscheinungstermin: 04.09.2025
Sprache(n): Englisch
Auflage: 1. Auflage 2025
Produktform: Gebunden
Gewicht: 523 g
Seiten: 236
Format (B x H): 161 x 240 mm

