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**Artificial Intelligence Technology in Healthcare:
Security and Privacy Issues**



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Call for Chapters

Artificial Intelligence Technology in Healthcare: Security and Privacy Issues

Aims and Scope:

The aim of this book chapter, "Artificial Intelligence Technology in Healthcare: Security and Privacy Issues", is to provide an in-depth examination of the security and privacy concerns associated with the adoption of artificial intelligence (AI) technology in the healthcare sector. As AI becomes increasingly integrated into healthcare systems, the potential risks to patient data and the integrity of medical systems also grow. This chapter will explore the current state of AI adoption in healthcare, the potential security and privacy risks associated with its use, and the measures that can be taken to mitigate these risks. The scope of this chapter will cover a range of topics related to AI, security, and privacy in healthcare, including the use of AI in medical diagnosis and treatment, the vulnerabilities of medical devices and systems to cyber attacks, and the ethical considerations surrounding the use of AI in healthcare

List of Topics :

- Chapter 1: Introduction to AI in healthcare: current applications and benefits
- Chapter 2: Security risks in AI-powered healthcare systems: types of threats and vulnerabilities
- Chapter 3: Privacy concerns in AI-driven healthcare: data protection and patient consent
- Chapter 4: Cybersecurity measures for AI-powered medical devices: best practices and regulations
- Chapter 5: Ethical considerations in AI-driven healthcare: bias, transparency, and accountability
- Chapter 6: Future directions: emerging trends and technologies in AI, security, and privacy for healthcare
- Chapter 7: Regulatory frameworks for AI in healthcare: compliance and standards.

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