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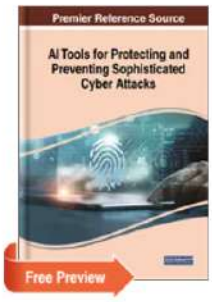

AI Tools for Protecting and Preventing Sophisticated Cyber Attacks

Eduard Babulak

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ABSTRACT

The 21st century is a century of technology. With the increase of new technology, life becomes easy, but as no technology is 100% safe and secure, every technology has some drawbacks. Information technology and cyber security are frequently used interchangeably. Nowadays, national and global security is at risk due to the world's growing reliance on a robust but vulnerable internet and the disruptive powers of cyber attackers. Various security agencies and cyber security researchers prepare the patch and prevention methods for detecting cybercrime, but it's not the proper solution for all types of cybercrime. The existential values of artificial intelligence led to a solution to many problems of cyber security. The main objective of the use of artificial intelligence in cyber security is to enhance the detection of the rate of cybercrime. Another application of artificial intelligence in cybersecurity is to improve the resistance and response to cyber-attacks.

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