

The Role of Artificial Intelligence in Phishing Attack Mitigation

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Abstract

This paper focuses on the presentation of phishing attacks and strategies to protect against them. It examines various types of phishing attacks, highlighting the tactics used by attackers. It presents different AI techniques for combating phishing attacks, demonstrating their effectiveness in detection and prevention. Furthermore, it proposes an AI-based solution that encompasses data collection from diverse sources, feature extraction to identify relevant indicators of phishing, advanced detection engines utilizing machine learning algorithms, automated response mechanisms to promptly address threats, and continuous learning to adapt to new phishing tactics.

Index terms: Artificial Intelligence, phishing attack, cyber security, threat, vulnerability

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