

Emerging Technologies in Cyber Security

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Abstract: *The rapid evolution of cyber threats has led to the development of advanced cybersecurity technologies. This paper explores recent advancements, including Artificial Intelligence (AI) and Machine Learning (ML) in threat detection, Highly Evasive Adaptive Threats (HEAT), Post-Quantum Cryptography, AI-Powered Security Platforms, and Advanced Malware Detection Techniques. These innovations are reshaping cybersecurity strategies to enhance threat mitigation, detection, and response mechanisms.*

Keywords: Cryptography, Encryption, Heat, Malware