Impact of AI in Cyber Security

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Background

Artificial Intelligence (AI) has emerged as a transformative force in the field of cybersecurity, revolutionizing the way organizations defend against cyber threats and safeguard sensitive information. The integration of AI technologies, such as machine learning and predictive analytics, has enabled advanced threat detection, rapid incident response, and proactive security measures. As the digital landscape evolves, the role of AI in cybersecurity becomes increasingly crucial in mitigating the growing complexity and sophistication of cyber attacks. This research paper explores the profound impact of AI on cybersecurity practices, highlighting its significance in enhancing defense mechanisms and fortifying digital resilience in an era of persistent cyber threats.

What are the downsides of AI in cybersecurity?

What new cybersecurity risks might modern AI (e.g., generative AI) create?

How might AI improve cybersecurity in the future?