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Harnessing the power of AI in CyberSecurity

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What is Artificial Intelligence.

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Artificial Intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think and learn like humans.

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Relationship between AI & CyberSecurity.

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Threat Detection

Intrusion Detection Systems (IDS): Machine learning models can analyze vast amounts of data to detect malicious activities that traditional methods might miss.

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Automated Response:

Threat Hunting: AI-powered tools can proactively search for vulnerabilities and threats within a system.

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The Big Question!

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What is AI’s role in reducing human error?

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Phishing Prevention:

Email Filtering: AI-powered email filters can identify and block phishing emails more effectively by analyzing email content, sender reputation, and behavioral patterns..

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Password Management:

AI-Generated Passwords: AI can create strong, unique passwords for users, reducing the risk of weak passwords that can be easily guessed or cracked.

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Content Moderation:

Automated Moderation: AI can automatically flag or remove inappropriate content, such as hate speech, spam, or misinformation, ensuring a safer online environment.

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Language Translation:

Real-Time Translation: AI-driven translation tools enable seamless communication between community members who speak different languages, reducing misunderstandings due to language barriers.

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Training:

User Training: AI-driven training programs can educate users about recognizing and avoiding phishing attempts, reducing the likelihood of falling victim to such attacks.

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What do you use AI for?

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