

Document Generated: 01/24/2026

Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 1 Hour

AI in Cybersecurity



About this Course:

AI is changing cybersecurity at a fast pace and the only way to stay ahead of the fast pace is of changing AI and Cybersecurity practices is to continuously keep learning. Few ways in which AI is changing Cybersecurity:

1. "How AI is changing Malware",
2. "How AI is changing Intrusion Detection" and
3. "How AI is changing Pen Testing"

Course Objectives:

- How AI is changing Malware
- Machine learning is used to detect unknown malware
- New industry norm
- ML can be used to create evasive malware
- How AI is changing Intrusion Detection
- AI allows to detect unknown new attacks, anomalous behavior
- Can be worked into an IDS, SIEM
- How AI is changing Pen Testing
- AI can imitate humans, e.g., getting past CAPTCHAs, deepfake, fake reviews, voice transfer
- Can also empower mechanical pen testing, e.g., RL-agent for metasploit in DeepExploit

Audience:

- Anyone interested in AI, Cybersecurity and Datascience

Prerequisites:

- There are no prerequisites for this course.

Course Outline:

- Course Introduction
- AI allows to detect unknown new attacks, anomalous behavior
- Can be worked into an IDS, SIEM
- AI can imitate humans, e.g., getting past CAPTCHAs, deepfake, fake reviews, voice transfer.
- Can also empower mechanical pen testing, e.g., RL-agent for metasploit in DeepExploit

Credly Badge:

Display your Completion Badge And Get The Recognition You Deserve.



Add a completion and readiness badge to your LinkedIn profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

[Find Out More](#) or [See List Of Badges](#)