

# AI SECURE PROGRAMMING FOR WEB APPLICATIONS / TECHNICAL OVERVIEW

Course Code: 840020

Boost Web Application Security! Leverage AI to Mitigate OWASP Vulnerabilities, Anticipate Breaches, Debug Applications & More.

## Who Needs to Attend

This introductory level course is geared for tech enthusiasts, software developers, web application developers, and AI aspirants seeking to harness the power of AI to enhance web security. It's also ideal for IT professionals responsible for web security in their organizations who are eager to innovate with AI-driven solutions. Roles might include:

- Web Application Developers
- Software Engineers
- Information Security Analysts
- AI/Machine Learning Enthusiasts
- IT Managers focused on Web Security-
- Data Scientists interested in Web Security

## Prerequisites

This is not a hands-on course, however its helpful if you have:

- Basic Understanding of Web Applications
- Basic understanding of programming concepts
- Basic cybersecurity concepts

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VIRTUAL CLASSROOM LIVE

\$995 USD

1 Day

## Virtual Classroom Live Outline

### 1. **Introduction to AI and Secure Coding**

- Understand the basics of AI and the importance of secure coding
- Understanding AI: An overview
- Secure Coding in AI
- Intro to machine learning
- Demo: Demonstrate a basic AI model

### 2. **Understanding OWASP Top Ten 2021 and AI Implications**

- Understand the OWASP Top Ten 2021 and how AI can mitigate risks
- Brief overview of the OWASP Top Ten 2021
- Discussing security risks in AI applications
- Demo: Show how AI can be used to identify potential security threats using

### 3. **Secure AI Programming and Web Application Integration**

- Understand the concept of secure AI programming and web application integration
- Security in AI: An Overview
- Secure data handling in AI
- Connecting AI models with Web applications
- Demo: Demonstrate connecting an AI model to a web application

### 4. **Deploying and Debugging AI Applications**

- Understand how to deploy and debug AI applications
- The fundamentals of AI application deployment
- Troubleshooting common issues in AI applications
- Demo: Demonstrate deploying a simple AI model

### 5. **Natural Language Processing and AI Security**

- Understand the basics of Natural Language Processing (NLP) and AI security
- Overview of NLP in AI
- AI in identifying vulnerabilities in web applications
- Demo: Showcase text processing and analysis



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PRIVATE GROUP TRAINING

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