

# Al+ Ethical Hacker<sup>TM</sup>



# **Executive Summary**

The AI+ Ethical Hacker certification delves into the intersection of cybersecurity and artificial intelligence, a pivotal juncture in our era of rapid technological progress. Tailored for budding ethical hackers and cybersecurity experts, it offers comprehensive insights into AI's transformative impact on digital offense and defense strategies. Unlike conventional ethical hacking courses, this certification harnesses AI's power to enhance cybersecurity approaches. It caters to tech enthusiasts eager to master the fusion of cutting-edge AI methods with ethical hacking practices amidst the swiftly evolving digital landscape. The curriculum encompasses four key areas, from course objectives and prerequisites to anticipated job roles and the latest AI technologies in Ethical Hacking.

# **Certification Prerequisites**

- Programming Proficiency: Knowledge of Python, Java, C++, etc for automation and scripting.
- Networking Fundamentals: Understanding of networking protocols, subnetting, firewalls, and routing.
- Operating Systems Knowledge: Proficiency in using Windows and Linux operating systems.
- Cybersecurity Basics: Familiarity with fundamental cybersecurity concepts, including encryption, authentication, access controls, and security protocols
- Machine Learning Basics: Understanding of machine learning concepts, algorithms, and basic implementation.
- Web Technologies: Understanding of web technologies, including HTTP/HTTPS protocols, and web servers.



# Exam Blueprint

Number of Questions

50

Passing Score

### 35/50 or 70%

Duration

**90 Minutes** 

Format

Online via Al Proctoring platform

**Question Type** 

Multiple Choice/Multiple Response





# Certification Modules



#### Foundation of Ethical Hacking Using Artificial Intelligence (AI)

**1.1 Introduction to Ethical Hacking** 

**1.2 Ethical Hacking Methodology** 

**1.3 Legal and Regulatory Framework** 

#### Module 2 Introduction to AI in Ethical Hacking

2.1 AI in Ethical Hacking

2.2 Fundamentals of AI

2.3 AI Technologies Overview





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**11.3 Transparency and Explainability in AI Systems** 

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12.1 Case Study 1: AI-Enhanced Threat Detection and Response

#### 12.2 Case Study 2: Ethical Hacking with AI Integration

12.3 Case Study 3: AI in Identity and Access Management (IAM)

## **Certification Outcome**

Upon successful completion of the AI+ Ethical Hacker certification, individuals validate their capability in harnessing AI methodologies to bolster cybersecurity measures. They acquire comprehensive skills encompassing core ethical hacking concepts, AI-powered reconnaissance, evaluating vulnerabilities, conducting penetration tests, analyzing threats, responding to incidents, and managing identities within cybersecurity frameworks. By showcasing adeptness in ethically employing AI resources, certified individuals actively bolster cybersecurity defenses and promote the ethical integration of AI, thereby reinforcing organizational resilience against ever-changing cyber risks.

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#### Market Insight

Elevate your cybersecurity game with our Ethical Hacking and AI Integration course. Learn to leverage AI for advanced threat detection and response, ensuring robust protection against evolving cyber threats. Gain a competitive edge and become a leader in the next era of cybersecurity.

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#### Value Proposition

Empower Your Cybersecurity Strategy with Ethical Hacking and AI Integration. Our course equips you with the tools and expertise to leverage AI for advanced threat detection and response, enhancing your organization's resilience against cyber threats. By mastering ethical hacking principles and AI-driven methodologies, you'll unlock new levels of security, safeguarding critical assets and ensuring business continuity. Join us to stay ahead in the ever-evolving landscape of cybersecurity and drive innovation in protecting digital assets.

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#### **Additional Features**

Immersive Live Simulation Labs to Elevate your learning with hands-on, real-world scenarios. Practice ethical hacking and AI integration techniques in a safe environment, gaining practical insights and honing your skills to confidently tackle cybersecurity challenges. Our live simulation labs provide an unparalleled opportunity to apply classroom knowledge, ensuring you're fully prepared to defend against evolving cyber threats.

# **AI Experts**

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#### **Jason Kellington**

AI Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.

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#### Justin Frébault

Al Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.

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#### J Tom Kinser

Al Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.

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#### Terumi Laskowsky

AI Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)

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#### aicerts.io

Contact

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