AI TACTICAL SKILLS:

HACKING & DEFENSE

Advanced 5-day training integrates AI and machine learning to enhance your existing traditional tools, techniques, and attack tactics.

5 DAYS | **Online / In person / Hybrid** | **ALL LEVELS**

This is an in-depth hands-on practical AI program, straight to the point, that teaches students how to build, break, fix and modify an array of technologies that ethical and professional hackers frequently use to assist hacking into systems.

The course focuses on using mobile hardware / software including Cloud (AWS, Azure, GCP etc.) to exploit targets, network hacking wired, Wi-Fi networks and RF communication, such used in IOT/OT and ICS.

EACH PARTICIPANT GETS:

- **HACKING TOOLKIT**
- **6 months access to Premier Private Lab-Range**

AI

⟶ **BUILD**

⟶ **HACK**

⟶ **DETECT**

⟶ **DEFEND**

CYBER**2** LABS

AI TACTICAL SKILLS:
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COURSE OUTLINE

▸ Introduction to AI in Cybersecurity

▸ AI Techniques for Offensive Security

▸ AI Techniques for Defensive Security

▸ Advanced AI Techniques and Application in Security

▸ AI Integration and Future Trends

CLASS OBJECTIVES

Understand the Fundamentals of Cybersecurity and Ethical Hacking

▸ Grasp the basic concepts, principles, and importance of the ethical considerations in hacking practices

▸ Identify and Assess Network Vulnerabilities

▸ Learn AI and Machine Learning to augment attack tools, techniques and tactics

▸ Learn techniques to discover, analyze, and exploit vulnerabilities in networks and systems.

▸ Master Various Hacking Tools and Techniques

▸ Gain hands-on experience with popular hacking tools and methodologies

▸ Conduct Reconnaissance and Information Gathering

▸ Develop skills in gathering intelligence on targets both passive and active reconnaissance methods

▸ Perform Network Scanning and Enumeration

CYBER2 LABS

Build your AI Tactical Skills

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- ▶ Learn to use tools to scan and enumerate network devices, services, and open ports to map out potential attack vectors
- ▶ Exploit System and Network Vulnerabilities
- ▶ Practice exploiting identified vulnerabilities to gain unauthorized access and control over systems and networks
- ▶ Implement Web Application Hacking Techniques
- ▶ Understand common web application vulnerabilities such as SQL injection, XSS, and CSRF, and learn to exploit them effectively
- ▶ Develop Skills in Wireless Network Security Testing
- ▶ Learn how to test and secure wireless networks against common attacks such as Wi-Fi cracking and man-in-the-middle (MITM) attacks
- ▶ Analyze and Defend Against Malware and Exploits
- ▶ Study various types of malware, their attack vectors, and defensive strategies to mitigate their impact on systems
- ▶ Apply Ethical Hacking in Real-World Scenarios
- ▶ Engage in practical exercises and simulations that mimic real-world cyber-attacks, applying ethical hacking techniques to secure systems and improve defenses

By the end of the course, participants will have a comprehensive understanding of ethical hacking principles, practical skills in various hacking techniques, and the ability to apply these skills to enhance cybersecurity measures in their organizations.

CYBER2 LABS

Build your AI
Tactical Skills

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We will utilize in this course:

▸ A pre-built mobile hardware system such as a Raspberry Pi or a laptop
▸ Live Cloud based remote lab range and electronic interactive content

CYBER2 LABS AI Hacking Toolkit

Raspberry Pi 5 AI Hardware

Toolkit Case

CYBER2 LABS

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AI TACTICAL SKILLS:
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Cyber2 Labs is the first company to bring this kind of AI tactical skills-building education to market, without old-fashioned multiple-choice exams.

The knowledge transfer process happens far quicker when we build complex practical skills, in order for us to build something, we will always start with a plan and further research enables us to grasp the practical aspects much easier and quicker.

TARGET AUDIANCE

- Cyber Security engineers / analysts
- EC Council CEH Certified Students
- OSCP Certified Students
- SecOps Certified Professionals
- CompTIA Certified Professionals
- Network and system administrators
- Drone & Robotic Engineers & Developers
- Drone Operators
- Digital Forensics Investigators
- Penetration Testers
- Cloud computing personnel
- Cloud project managers
- Operations support looking for career advancement

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