



# CEH v13 (AI)

A step by step Guide to level up Your Career on Cyber Security



[www.cyberdefentech.com](http://www.cyberdefentech.com)



# Course Highlights

 <b>40 Hours</b>	 <b>Certified Instructor</b>	 <b>Access to Recorded Session</b>
 <b>99% Exam Pass Rate</b>	 <b>Ec-Council Authorized Partner</b>	 <b>Extended Post Training Support</b>

## Exam Information

Exam Name	CEHv13 Theory (MCQ)	CEHv13 Practical Exam
Exam Format	MCQ Questions	iLabs Cyber Range
Number of Questions	125 Questions	20 Questions
Exam Duration	4 Hours	6 Hours



# Our Happy Learners

**MD TANWEER ALAM** · 2nd  
SOC Analyst | SentinelOne | ArcSight | ...  
1mo · ④

Excited to Share a Milestone Achievement! 🎉

I am thrilled to announce that I have successfully passed the CEH Practical Certification Exam and officially earned my Certified Ethical Hacker (CEH) credential! 🎉

This journey has been an incredible learning experience, and I am deeply grateful to those who supported me along the way. A special thank you to **Cyber Defentech**, **Puja Sharma**, and **Nitish Pathak** for their guidance, mentorship, and unwavering support. Your expertise and encouragement made this achievement possible! 🙏

If you're on a similar path or looking to enhance your cybersecurity skills, I'd be open to connect and share my experiences. Let's build a safer digital world together!

EC-Council

#cyberdefentech #CEH #Cybersecurity #EthicalHacking #Achievement #Gratitude #Learning #CyberDefentech

**Madiha Razeen** · 3rd+  
Cyber Security Analyst  
4w · Edited · ④

I'm thrilled to share that I have successfully completed the Certified Ethical Hacker (CEH) certification! This milestone marks an important step forward in my cybersecurity journey.

This journey has been an incredible learning experience, and I am deeply grateful to those who supported me along the way. A special thank you to **Cyber Defentech**, **Nitish Pathak**, and the amazing Cyber Defentech tech team. For the guidance, mentorship, and unwavering support. Your expertise and encouragement made this achievement possible! 🙏

If you're on a similar path or looking to enhance your cybersecurity skills, I'd be open to connect and share my experiences. Let's build a safer digital world together!

Here's to many more milestones ahead! 🎉

EC-Council

#cyberdefentech #eccouncil #CyberSecurity #EthicalHacking #CEH #CyberDefentech #Gratitude

**Akshay Mahant** · 2nd  
Certified Ethical Hacker v13 || Netwo...  
1w · ④

Excited to Share a Milestone Achievement!

I am thrilled to announce that I have successfully passed the CEH Practical Certification Exam and officially earned my Certified Ethical Hacker (CEH) V13 credential!

This journey has been an incredible learning experience, and I am deeply grateful to those who supported me along the way. A special thank you to **Cyber Defentech**, **Nitish Pathak** and **Vipin Yadav** for their guidance, mentorship, and unwavering support. Your expertise and encouragement made this achievement possible!

Special thanks to **EC-Council** :)

If you're on a similar path or looking to enhance your cybersecurity skills, I'd be open to connect and share my experiences. Let's build a safer digital world together!

**Harshita Soni** · 2nd  
Cyber security analyst at DR CBS ...  
3w · ④

Starting 2025 with a new milestone!

I am thrilled to announce that I have earned the Certified Ethical Hacker (CEH) v13 certification from EC-Council. I am proud to contribute this achievement to my skill set and my journey as a cybersecurity professional.

This certification equips me with advanced knowledge to identify vulnerabilities, protect digital assets, and strengthen organizational security. I look forward to applying these skills to make a meaningful impact in the field of cybersecurity.

Here's to a year of growth, learning, and securing the digital world!

Special thanks to **Vipin Yadav**, **Nitish Pathak** and **Cyber Defentech**. These are my mentors for this journey.

#CyberSecurity #CEH #EthicalHacking #ProfessionalDevelopment #NewYearMilestone #Cyberdefentech

**Manish Thakur** · 2nd  
Student at Shri Vaishnav Institute of ...  
4w · ④

🎉 Exciting News! 🎉

I'm thrilled to announce that I have successfully cleared my Certified Ethical Hacker (CEH) certification! This milestone marks an important step in my journey toward mastering cybersecurity and enhancing my skills in ethical hacking and security analysis.

A huge thank you to **Cyber Defentech** for providing such a structured and insightful training program. Your expertise and guidance were instrumental in helping me achieve this accomplishment.

I would also like to extend my heartfelt gratitude to **Nitish Pathak** for their constant support, encouragement, and mentorship throughout this journey. Your valuable insights and unwavering belief in me made all the difference!

I'm excited about the future and the endless opportunities to apply my knowledge in the cybersecurity field. Let's continue to stay secure and push boundaries together! 🚀

#cyberdefentech #eccouncil #CEH #Cybersecurity #EthicalHacking #Grateful #LearningJourney

**Ayush Singh** · 2nd  
CEH v13 ( Practical )||Cyber Security ...  
3mo · ④

🎉 Excited to share a new milestone! 🎉

I am thrilled to announce that I have successfully earned the Certified Ethical Hacker (CEH) v13 Practical certification! 🎉

This hands-on certification has further sharpened my skills in areas like:

- ✓ Network and Web Application Vulnerability Assessment
- ✓ Exploiting Security Flaws
- ✓ Incident Response
- ✓ Ethical Hacking Tools & Methodologies

A big thank you to everyone who has supported me throughout this journey! I look forward to applying these new skills to make digital spaces safer and contribute more effectively in the field of cybersecurity.

**Nitish Pathak** **Cyber Defentech** **vipin yadav** **#CEH** **#CEHv13** **#EthicalHacking** **#CyberSecurity** **#CyberDefense** **#EthicalHacker**

**AMRITANSHU NARAYAN** · ...  
DevSecOps enginner @Dr. Cbs ...  
1mo · ④

When you flow with your eternity, setting priorities becomes essential. Often, people ask me, "Why so much diversity with you? Are you a developer, a DevOps engineer, or in Cybersecurity? What exactly is your stack?"

The truth is, it's not about limiting oneself to a single role or title. The main thing is knowledge. It is vast, interconnected, and ever-evolving. It's like a web where every node is linked to another, and understanding the connections between these points can unlock endless possibilities.

For me, it's about adaptability and curiosity. Whether it's coding, automating pipelines, securing systems, or exploring emerging technologies, it all boils down to one principle: continuous learning. In this field, versatility isn't just an asset; it's a necessity.

The beauty of IT lies in its diversity. Every role, every stack, every domain offers a unique perspective. By embracing them, we don't just grow our skill set—we expand our ability to innovate, collaborate, and solve complex problems.

Special thanks for **Vipin Yadav**, **Nitish Pathak** and **Cyber Defentech**. These are my mentors for this journey and the journey continues.

#Cybersecurity #Cyberdefentech #IT #Ecouncil

**Naveen Pachangi** · 2nd  
SOC Analyst | Sr Executive  
3w · Edited · ④

CEH Certification Achievement 🎉

I'm excited to share that I have successfully cleared the **EC-Council | Certified Ethical Hacker** certification! 🎉

This milestone is a significant step in my cybersecurity journey, and I'm proud to have gained valuable skills in identifying vulnerabilities, protecting systems, and ensuring a safer digital world.

A heartfelt thank you to **Cyber Defentech** for their excellent training program that prepared me to tackle real-world challenges with confidence. Special thanks to **Nitish Pathak** and **Puja Sharma** for their constant support, guidance, and encouragement throughout this journey. Your mentorship has been invaluable, and I am grateful for the insights you've shared with me.

#cyberdefentech #cds #linkedin #ceh #eccouncil #cybersecurity #ethicalhacker

**Nikit Jain** · 2nd  
Assistant Manager @ Tata advanced ...  
1mo · ④

🎉 Excited to share a significant milestone in my professional journey! 🎉

I'm thrilled to announce that I have successfully passed the Certified Ethical Hacker (CEH) Practical Exam! 🚀

Achieving this certification has been a challenging yet rewarding experience, marking a step forward in my commitment to enhancing cybersecurity skills and securing digital spaces.

A special shoutout and heartfelt thanks to **Cyber Defentech** and **Nitish Pathak** and **Vipin Yadav** for their invaluable training and support throughout this journey. Their comprehensive CEH training program played a crucial role in helping me gain the knowledge and hands-on skills needed to succeed. 🌟

Cybersecurity is more than a career—it's a passion, and I'm looking forward to applying these skills to make a meaningful impact in the field.

To anyone considering CEH or looking to upskill in cybersecurity, I highly recommend Cyber Defentech for their exceptional training programs!



## About Course

The CEH v13 program immerses you in real-world ethical hacking through the dynamic CEH practice environment. With CEH Engage, you'll sharpen your skills and prove you have what it takes to thrive as an ethical hacker.

New to CEH v13, learners will embark on their first emulated ethical hacking engagement. This four-phase engagement requires students to think critically and test the knowledge and skills gained by capturing a series of flags in each phase. It demonstrates the live application of skills and abilities in a consequence-free environment through EC-Council's new "Cyber Range."

As you complete your training and labs, CEH Engage empowers you to put theory into practice through a mock hacking engagement. You'll navigate a real-world, four-part engagement, targeting an emulated organization. Using a capture-the-flag format, you'll progress by answering critical "flag" questions, gaining hands-on experience in a full-scale ethical hacking operation.





# Course Outline

## Module 01: Introduction To The Ethical Hacking

- ▶ Learn the fundamentals and key issues in information security, including the basics of ethical hacking, information security controls, relevant laws, and standard procedures.

## Module 02: Footprinting and Reconnaissance

- ▶ Learn how to use the latest techniques and tools for footprinting and reconnaissance, a critical pre-attack phase of ethical hacking

## Module 03: Scanning Networks

- ▶ Learn different network scanning techniques and countermeasures.

## Module 04: Enumeration

- ▶ Learn various enumeration techniques, including Border Gateway Protocol (BGP) and Network File Sharing (NFS) exploits and associated countermeasures.

## Module 05: Vulnerability Analysis

- ▶ Learn how to identify security loopholes in a target organization's network, communication infrastructure, and end systems. Different types of vulnerability assessment and vulnerability assessment tools are also included.



## Module 06: System Hacking

- ▶ Learn about the various system hacking methodologies used to discover system and network vulnerabilities, including steganography, steganalysis attacks, and how to cover tracks.

## Module 07: Malware Threats

- ▶ Learn about different types of malware (Trojan, viruses, worms, etc.), APT and fileless malware, malware analysis procedures, and malware countermeasures.

## Module 08: Sniffing

- ▶ Learn about packet sniffing techniques and their uses for discovering network vulnerabilities, plus countermeasures to defend against sniffing attacks.

## Module 09: Social Engineering

- ▶ Learn social engineering concepts and techniques, including how to identify theft attempts, audit human-level vulnerabilities, and suggest social engineering countermeasures.



## Module 10: Denial-of-Service

- ▶ Learn about different Denial of Service (DoS) and Distributed DoS (DDoS) attack techniques, plus the tools used to audit a target and devise DoS and DDoS countermeasures and protections.

## Module 11: Session Hijacking

- ▶ Learn the various session-hijacking techniques used to discover network-level session management, authentication, authorization, and cryptographic weaknesses and associated countermeasures.

## Module 12: Evading IDS, Firewalls, and Honeypots

- ▶ Learn about firewalls, intrusion detection systems (IDS), and honeypot evasion techniques; the tools used to audit a network perimeter for weaknesses; and countermeasures.

## Module 13: Hacking Web Servers

- ▶ Learn about web server attacks, including a comprehensive attack methodology used to audit vulnerabilities in web server infrastructures and countermeasures.



## Module 14: Hacking Web Applications

- ▶ Learn about web application attacks, including a comprehensive hacking methodology for auditing vulnerabilities in web applications and countermeasures.

## Module 15: SQL Injection

- ▶ Learn about SQL injection attack techniques, evasion techniques, and SQL injection countermeasures.

## Module 16: Hacking Wireless Networks

- ▶ Learn about different types of encryption, threats, hacking methodologies, hacking tools, security tools, and countermeasures for wireless networks.

## Module 17: Hacking Mobile Platforms

- ▶ Learn mobile platform attack vectors, Android and iOS hacking, mobile device management, mobile security guidelines, and security tools.



## Module 18: IoT Hacking

- ▶ Learn different types of Internet of Things (IoT) and operational technology (OT) attacks, hacking methodologies, hacking tools, and countermeasures.

## Module 19: Cloud Computing

- ▶ Learn different cloud computing concepts, such as container technologies and serverless computing, various cloud computing threats, attacks, hacking methodologies, and cloud security techniques and tools.

## Module 20: Cryptography

- ▶ Learn about encryption algorithms, cryptography tools, Public Key Infrastructure (PKI), email encryption, disk encryption, cryptography attacks, and cryptanalysis tools.



# Unlocking Security With Cutting-Edge Tool Kit



**Nikto**



**NMAP**





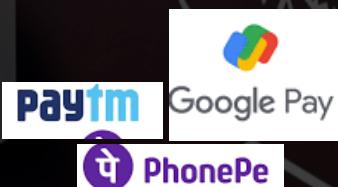
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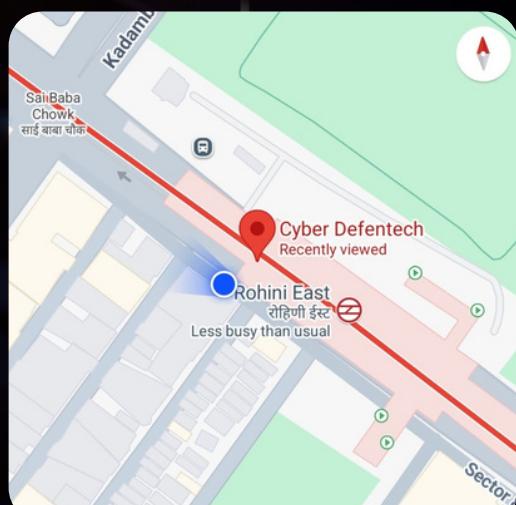
+91 8448046612



[www.cyberdefentech.com](http://www.cyberdefentech.com)



D-12/77, Pillar No-392, Sector-08,  
Rohini East, Delhi-110085



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