03

Live · Course 03 of 08

Ethical Hacking

The full attacker toolkit: recon, scanning, exploitation, system and mobile hacking, sniffing, Wi-Fi, social engineering, passwords and cryptography.

AT A GLANCE

Language
Telugu

Certificate
On completion

Lab
Hacker Lab

AFTER THIS COURSE

- [x] Map a target with OSINT, Nmap and Netcat
- [x] Exploit lab machines with Metasploit and custom payloads
- [x] Understand sniffing, Wi-Fi, DoS and social engineering attacks and how to defend against them

TOOLS YOU'LL USE

Nmap · Netcat · Metasploit · msfvenom · Wireshark · Bettercap · Shodan · theHarvester · Nikto · hping3

SYLLABUS · 15 MODULES · 84 TOPICS

01 Introduction to Ethical Hacking

4 topics

- Types of hackers
- Phases of ethical hacking
- Hacking concepts
- Security researchers, analysts and auditors

02 Information Gathering (Footprinting)

10 topics

- Website footprinting
- Whois
- VirusTotal
- Shodan
- GHDB (Google Hacking Database)

02 Information Gathering (Footprinting) (continued)

- theHarvester
- Nikto
- Information gathering from social media
- Image metadata
- Sublist3r

03 Nmap Scanning

6 topics

- Network scanning
- Server scanning
- Host discovery
- Port discovery
- Service version detection
- OS discovery

04 Netcat

6 topics

- Port scanning (TCP and UDP)
- Chat between two users (initiator and listener)
- Banner grabbing (FTP and SSH)
- File transfer
- Grabbing the HTTP banner
- Windows reverse connection

05 Metasploit

5 topics

- Server enumeration
- Modules: exploit, payload, auxiliary, encoder, evasion, post
- Exploiting the victim machine
- Setting LHOST and RHOST
- Creating a payload with msfvenom

06 Web Server Hacking

4 topics

- Scanning with Nmap
- Finding CVEs with Searchsploit
- Finding exploits in Rapid7
- Exploiting with Metasploit

07 System Hacking

6 topics

- OS bypassing
- Error generation method (password cracking)
- Ngrok configuration
- Windows reverse shell
- Windows machine hacking
- Live screen with VNC

08 Mobile Hacking

6 topics

- Introduction to mobile OS
- Reverse shell with msfvenom
- Binding the reverse shell
- Tunnel forwarding with an open-source tool
- Access over WAN and LAN
- Exploiting mobile platforms

09 Malware

4 topics

- Types of malware
- Viruses
- Worms
- Trojans

10 Sniffing

7 topics

- Introduction to sniffing
- Wireshark
- Analysing packets in Wireshark
- Bettercap
- MAC address spoofing
- MAC flooding
- Man-in-the-middle: ARP poisoning

11 DoS / DDoS

5 topics

- Denial-of-service attacks
- Distributed denial-of-service attacks
- Botnets
- SYN flooding with hping3
- HOIC and LOIC in the lab

12 Wireless Hacking

6 topics

- Wireless encryption
- WEP, WPA and WPA2
- Hacking Wi-Fi networks
- Wi-Fi deauth attack
- Brute-forcing Wi-Fi networks
- Introduction to software-defined radio

13 Social Engineering

5 topics

- Introduction and types
- Human-based social engineering
- Computer-based social engineering
- Insider attacks
- External attacks

14 Password Cracking

4 topics

- Windows passwords from CMD
- Linux passwords
- SSH passwords
- Telnet passwords

15 Cryptography

6 topics

- Types of cryptography
- Symmetric and asymmetric keys
- Encryption algorithms
- Hash tools: MD5 and HashCalc
- Decoding and encoding
- Hiding text in files (steganography)

Ready to start Ethical Hacking?

Free live demo: Saturday 6:00 – 7:00 PM · Sunday 11:00 AM – 12:00 PM · Sunday 7:00 – 8:00 PM (IST). Reply **DEMO** on WhatsApp.

+91 81250 59380 · Call or WhatsApp

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Scan for this course

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YOUR INSTRUCTOR

Taught by a hacker who investigates cybercrime.



Every class is taught by **Chaitanya Eshwar Prasad**. He doesn't teach from slides: he teaches what he does every week, investigating real cybercrime cases and finding real vulnerabilities.

He started exploring technology in 7th class and was hunting security bugs by 10th. Today he supports cybercrime investigations as a forensic investigator, holds national records for his work, and has taught thousands of students on campus and through his Telugu YouTube channel.

7+	100+	33K+	9+
Years in cybersecurity	Bugs reported & secured	YouTube learners	Campuses as guest speaker

Anisetti Chaitanya Eshwar Prasad
Founder & Lead Instructor, Secueyes

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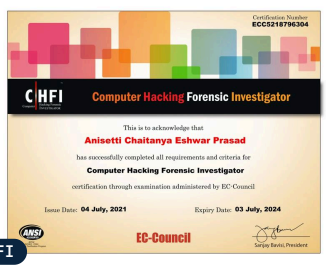
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