

HackerBook Technologies



Cyber Security, Ethical Hacking & Bug Bounty Hunting

Fresher/Internship Training Overview

**Trainer's Profile: Security Architect, CEO, 15+ years exp,
Certified in CEH, ECSA , CISSP, CCSE, CASE, CEI, ISTQB**

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Cyber Security , Software Testing & System Admin

Course Highlights

- ❑ Software Testing – 1 Month
- ❑ System Admin – 1 Month
- ❑ Java and Automation – 1 Month
- ❑ Cyber Security – 1 Month
- ❑ Interview Preparation & 400+ Interview Question & Answers
- ❑ Job Support & On-Job Assistance
- ❑ Training from Real time Experts with 15+ exp.

Intended Audience

Internship, Domain change (0 to 4 years exp.) | College Passed outs | Manual Testers | Bug Bounty Hunter | Freelancers | Security Testers | Job Seekers (Non- IT to IT jobs)

Pre-Requisite : No pre-requisite , Course includes all required basics Like OS & Computer Networks etc. Laptop with minimum 4GB RAM (8GB recommended) and 300 GB Hard disk for Lab practice

Target Jobs : Software Tester | Manual Tester | Test Engineer | QA | System Admin | Desktop Engineer | Security Analyst | Cyber Security Engineer | End Point Management

Trainer's Profile: Security Architect, 14+ years exp, Certified in CEH, ECSA , CISSP

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Manual Testing

1. Testing
2. Quality
3. Why is Testing
4. When is it needed
5. Scope
6. SDLC
7. Waterfall
8. Spiral
9. Agile
10. Sprint
11. Extreme Programming
12. STLC
13. Bug Life Cycle
14. Test Plan
15. Test Strategy
16. Test Lab
17. Scope
18. Scheduling
19. Test case
20. Defect Tracking Tool
21. Test Tracking tool
22. Build management Tool
23. Different Levels of Testing - Unit, Acceptance, Functional, Integration, System
24. Different Types of Testing -
25. NFT - Performance, Security, UI/UX
26. Static vs Dynamic
27. Black Box vs White Box
28. Manual vs Automation
29. Retesting vs Regression
30. PRD, SSD, SOW
31. Entry Criteria and Exit criteria
32. Severity vs Priority
33. Roles and Responsibilities
34. Web application Testing
35. Web services / API Testing
36. SOAPUI & POSTMAN
37. DevOps Basics
38. Client Server Architecture
39. API Testing
40. API Automation
41. Database Testing
42. Database Queries
43. Mobile Basics
44. Mobile Testing

Tools

1. SOAPUI, POSTMAN, Bug Tracking Tool, Test Tracking Tool

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System Admin

1. IP Address
2. Protocols , Ports
3. Subnet , LAN , WAN
4. External IP, Internal IP
5. Classes of IP Address
6. OSI , TCP IP
7. TCP vs UDP
8. nmap
9. Wireshark
10. netcat
11. OS fundamentals - Windows
12. OS Fundamentals - Linux
13. Mobile Basics
14. Mobile Pen Testing – Android hacking using apk
15. Reverse Engineering of Android – APK tool
16. Emulators
17. Android Studio
18. Reverse Engineering of Android – Androidmanifest.xml, De-compilers
19. Mobile DAST & SAST – Burpsuite
20. Basics of Malware & Types
21. End point management – Anti-Virus
22. End point management – Firewall
23. End point management – Browser Protection
24. Client Server Policy management
25. Cloud Basics – AWS
26. Cloud Basics – Azure
27. IAM – Sail Point
28. IAM – AWS
29. IAM –Azure
30. AWS – WAF
31. Active Directory
32. OU
33. AD Users
34. AD Groups
35. LDAP

Tools

1. Kali Linux Tools, Android Tools, AWS, Azure

Cyber Security – 2 Months

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Week 1 & 2 :

- Introduction
- Client Server Communication and HTTP, HTTPS, 3 Tier Architecture, DB, APP, Web Server
- SDLC - Severity, Priority, Functional Testing vs Performance Testing vs Security testing
- Real Time Security Breaches , Risks associated, Security Principles, Different Types of Hackers, Overview of Vulnerability Scanners - Web, Network
- Web Technologies - HTML , CSS, JavaScript - Click Jacking Vulnerability

Week 3 & 4 :

- IT Eco system - Intranet, Internet, DMZ, IP address, External vs Internal , IP Range , Loopback IP, Static IP, Dynamic IP, DHCP Server, DNS Server
- Asset, Risks, Vulnerabilities, Threats, Threat Agents
- Phases of Pen Testing , Tools across different Phases , Open Source Intelligence Methodology - Details to Collect
- Windows System Hacking & Web Application Hacking using File Upload Vulnerability
- OS and Virtualization - Hyper V- Type 1 and type 2, Cloud Computing

Week 4 & 5 :

- ❑ Test Lab setup – Kali Linux VM setup for Hacking and Labs
- ❑ Troubleshoot Lab setup in every System and Practice of Windows Hacking, File Upload vulnerability
- ❑ Basic SQL Queries , Database Concepts
- ❑ SQL injection- Database Hacking - Theory and Labs - Tools : SQLmap
- ❑ Types of SQL injection and Remediation

Week 6 & 7 :

- ❑ XSS (Cross Site Scripts) vulnerability – Lab - Tools : Kali Linux, Metasploit
- ❑ Session Hijacking - Lab - Tools : Kali Linux, Metasploit, netcat
- ❑ Session Hijacking & Types - Lab - Tools : Kali Linux, Metasploit, netcat
- ❑ Web services Penetration Testing - Tools : POSTMAN, Cookie Editors
- ❑ Data Tampering (IDOR) - Tools : BurpSuite

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Week 7 & 8 :

- ❑ CSRF, BOF Password Hacking, Strength of Password, Bruteforce Attack - Lab - Tools : Hydra
- ❑ Web Vulnerability Scanners - Tools : ZAP
- ❑ Web Vulnerability Scanners - Tools : Nessus and IBM App Scan
- ❑ Computer Networks - Internet , Intranet, DMZ, OSI model, TCP/IP model
- ❑ Layers of OSI TCP, Ports , Protocols

Week 8 & 9 :

- ❑ 3 way TCP IP Handshake, TCP Flags - Network Sniffing, Scanning and Enumeration - Tools : nmap, Wireshark
- ❑ DOS and DDOS Attacks Tools : hping3,
- ❑ Cryptography -Encryption, Digital Certificates, Hashing
- ❑ Secure SDLC, Threat Modeling, STRIDE , DRIDE , CVSS
- ❑ OWASP Top 10 , SANS25 , GDPR, PCI-DSS, ISO 27001 , HIPPA
- ❑ Security Test Process, Strategy , Tools and Practices

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Week 9 & 10 :

- External and Internal IP Scanning
- Firewalls, AV, End point management, IPS/ IDS, Malware Analysis
- Scope Analysis, Security Test strategy , Estimation, Remediation, False Positive Analysis & Reporting
- DAST Tools & Authenticated Scans– [Tools : Veracode , IBM AppScan, Nikto](#)
- HTTP Security Headers & Secure Attributes of Cookie, TLS Handshake

Week 11 & 12 :

- Bug Bounty – Overview, Registration and Process
- 400+ Interview Questions walkthrough
- IDE Setup – Eclipse , Java JDK
- Java -Basics
- Java -Basics & OOPS
- Java - Collections
- SAST (Static Application Security Testing)Tools - Source code Analysis
- SANS 25

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HackerBook Highlights

- ✓ Get Trained from Security Architect, with 14+ exp. in Industry
- ✓ 100 % placements in all the previous batches
- ✓ 100 % Job guarantee program / Course
- ✓ 4 to 6 Months Hands on Course
- ✓ Placements & Job Support
- ✓ Job Assistance after getting placed.
- ✓ 400+ Interview questions and walkthrough
- ✓ Lab setup & Recorded videos
- ✓ DevSecOps, Java and Bug Bounty
- ✓ Source Code Analysis
- ✓ Practice Labs, Exploits & Remediation technique
- ✓ Hacking Software Tool Kit
- ✓ Resume Preparation & Projects
- ✓ Mock Interviews
- ✓ Career Guidance
- ✓ Bug Bounty Hunting
- ✓ Comprehensive Hacking concepts on – Websites, Networks, Mobile and IOT
- ✓ Functional Testing , Java , Selenium Automation are additionally covered for job purpose
- ✓ Join whatsapp group for Free Workshop, Free classes and Queries

<https://chat.whatsapp.com/FEk8icwRKlFBORNNgQwy8v>

Cyber Security Career Growth Plan

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