COURSE SYLLABUS

AI-Powered Cybersecurity Career Program

6 months · 72 live classes · 80 lessons · 9 real projects · Verified certificate · Placement assistance

Module 1 — Cybersecurity & Networking Foundations

10 lessons · 3 weeks · 1 project

- CIA triad, threat actors & attack lifecycle
- TCP/IP, DNS, HTTP deep-dive
- Network devices, firewalls & segmentation
- Wireshark packet analysis lab

Module 2 — Linux & Scripting for Security

8 lessons · 2 weeks · 1 project

- Linux administration & hardening
- Bash scripting for automation
- Python fundamentals for security tooling
- Regular expressions & log parsing

Module 3 — Security Operations & SIEM

12 lessons · 3 weeks · 2 projects

- SOC roles, tiers & workflows
- Splunk & Microsoft Sentinel hands-on
- Detection rules & alert triage
- Threat intelligence with MITRE ATT&CK

Module 4 — Vulnerability Management

8 lessons · 2 weeks · 1 project

- Vulnerability scanning with Nmap & Nessus
- CVSS scoring & risk prioritization
- Patch management workflows
- Reporting for stakeholders

Module 5 — Ethical Hacking & Penetration Testing

12 lessons · 3 weeks · 1 project

- Kali Linux toolkit mastery

- Recon, exploitation & post-exploitation
- Metasploit & Burp Suite labs
- Professional pentest reporting

Module 6 — Cloud Security

10 lessons · 3 weeks · 1 project

- AWS & Azure security architecture
- IAM, encryption & key management
- Cloud misconfiguration hunting
- Container & serverless security basics

Module 7 — AI in Cybersecurity

8 lessons · 2 weeks · 1 project

- AI-assisted threat detection
- Machine learning for anomaly detection
- LLM security & prompt injection defense
- Building AI security automations

Module 8 — Incident Response & Capstone

12 lessons · 4 weeks · 1 project

- IR playbooks & digital forensics basics
- Full-scale breach simulation
- Capstone: end-to-end security assessment
- Career sprint: portfolio, resume, interviews

Book your free consultation: fill out the form on our website or message us on WhatsApp at +880 1339 622389.