

TechLeap Academy



TECHLEAP ACADEMY
UNLOCK YOUR INTELLECTUAL GRACE

ADVANCED CERTIFICATION PROGRAM IN

CYBER SECURITY

Powered by: **CISCO**



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About us:

TechLeap Academy is an EdTech Platform, offers a diverse range of programs designed to match your ambitions and career goals. Whether you're just starting your journey in technology or looking to upskill, our carefully curated courses provide the perfect blend of theory and hands-on experience. From software development and web technologies to digital marketing, data analytics, and emerging tools, our programs are built with industry demand in mind. Each course is led by experienced mentors who guide you through real-world projects, ensuring you gain the confidence and expertise to succeed.

Program Overview



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Phase-1 (Application & Onboarding)

1.----- Application Submission-----2.----- Application Submission

Phase-2 (Journey Begin)

1.----- Basic Quiz----2.-----Self Analysis Drill

Phase-3 (Let's start mentorship)

- 1.-----Data Science & Analytics (Basic to advance)
- 2.-----LIVE sessions + weekly challenges.
- 3----Guidance of Industry Mentor

Phase-4 (Ready to join the industry)

- 1.-----Live Projects-----2.-----Phase Test-----
- 3.-----Internship Opportunities-----4.-----Career Assistance Session-----5.-----Mock Interviews



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CISCO Certification

1. ----- CISCO Certification
2. ----- 3+ Industrial Expert Guest Sessions
3. ----- 3+ Advanced Projects

Tools & skills learnt



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Kali Linux

Nmap

Metasploit

Virtual Environments

DMZ, DHCP, DNS

Wireshark

OSINT, SIEM & SOC

Injection Attacks



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Job Opportunities

Cyber Security Analyst
(₹5-8 lakhs per annum)

Ethical Hacker/ Penetration
Tester (₹6-9 lakhs per annum)

Incident Responder
(₹6-9 lakhs per annum)

Information Security Engineer
(₹6-9 lakhs per annum)

Network Security Engineer
(₹6-9 lakhs per annum)

Security Consultant
(₹7-10 lakhs per annum)

Security Operations Center
(₹5-8 lakhs per annum)

Security Architect
(₹8-12 lakhs per annum)



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Curriculum

Week 1 – Introduction to Cybersecurity • History & evolution of cybersecurity • Key concepts: CIA Triad (Confidentiality, Integrity, Availability) • Threat landscape (malware, phishing, insider threats) • Overview of cybersecurity domains (network, application, cloud, etc.) • Practical: Identify real-world cyberattacks and classify them.

Week 2 – Cybersecurity Frameworks & Standards • Overview of NIST, ISO 27001, CIS Controls • Security policies & procedures • Regulatory compliance: GDPR, HIPAA, PCI-DSS • Risk vs. compliance • Practical: Map a sample organization's policies to a framework.

Week 3 – Networking Fundamentals for Security • Network architecture: LAN, WAN, internet basics • TCP/IP model, ports, and protocols • Common network devices (routers, firewalls, switches) • Attack vectors at the network layer • Practical: Analyze network traffic using Wireshark.



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Week 4 – Network Security & Firewalls • Firewalls & intrusion prevention/detection systems (IPS/IDS) • VPNs & secure tunneling • Network segmentation • Zero Trust architecture basics • Practical: Configure a simple firewall rule set.

Week 5 – Cryptography Fundamentals • Symmetric vs. asymmetric encryption • Hashing & digital signatures • Public Key Infrastructure (PKI) • TLS/SSL certificates • Practical: Encrypt/decrypt data with open-source tools (e.g., OpenSSL).

Week 6 – Identity & Access Management (IAM) • Authentication vs. authorization • MFA (multi-factor authentication) • Role-based access control (RBAC) • Single sign-on & federation • Practical: Create a mock IAM policy for a small company.



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Week 7 – Endpoint & Application Security • Securing endpoints (workstations, mobile devices) • Patch management • Secure software development lifecycle (SSDLC) • OWASP Top 10 vulnerabilities overview • Practical: Review an application for common vulnerabilities.

Week 8 – Malware & Threat Analysis • Types of malware (viruses, worms, ransomware) • Attack life cycle • Threat intelligence basics • Indicators of compromise (IOCs) • Practical: Examine malware behavior in a safe environment (or simulated data).

Week 9 – Security Operations & Incident Response • Security Operations Center (SOC) functions • Incident response process (NIST IR steps) • Logs & monitoring • Basics of SIEM tools • Practical: Draft an incident response plan for a hypothetical breach.



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Week 10 – Risk Management & Business Continuity • Threat modeling & risk assessment • Vulnerability vs. risk • Disaster recovery & business continuity planning • Backup strategies • Practical: Conduct a simple risk assessment on an IT asset.

Week 11 – Cloud Security • Shared responsibility model • Securing AWS/Azure/GCP environments • Identity & data protection in the cloud • Cloud compliance considerations • Practical: Identify security misconfigurations in a mock cloud setup.

Week 12 – Security Testing & Vulnerability Management • Vulnerability scanning vs. penetration testing • Patch cycles & prioritization • Common scanning tools (Nessus/OpenVAS) • Reporting & remediation • Practical: Run a vulnerability scan on a sample system (simulated).

Week 13 – Physical & Social Engineering Security • Physical security basics • Social engineering tactics (phishing, pretexting, tailgating) • Security awareness training • Insider threat mitigation • Practical: Design a social engineering awareness campaign.

Week 14 – Emerging Trends in Cybersecurity • Zero-day exploits • Artificial intelligence & cybersecurity • Internet of Things (IoT) security • Privacy-enhancing technologies • Practical: Research & present on an emerging cybersecurity trend.

Week 15 – Capstone Project Work • Plan and implement a security solution or analysis for a scenario • Integrate risk assessment, controls, and monitoring • Peer review and critique sessions • Practical: Draft and refine the final project deliverable.

Week 16 – Final Project Presentations & Course Wrap-Up • Present & defend your security project • Future career paths in cybersecurity • Certifications overview (CompTIA Security+, CISSP, CEH, etc.) • Course recap & Q&A; • Practical: Submit and present the final project.

Recruitment Partners



Code of Conduct

Program Structure: Skill Development Track: We will focus on enhancing skills and knowledge with LIVE sessions from industry mentors.

Certification: Successful completion of the program, including assessments, projects, and attendance, will lead to gaining Completion Certificate and Project Certificate. Internship Certificate will be provided by the company you'll be interning with, if any. Career Track (**Early Career Opportunities**): We will provide opportunities for early career development through internships.

Code of Conduct Class Schedule and Attendance: Regular Classes: Classes will be held two times a week on a consistent schedule. Evening Time Slots: Class timings will be in the evening slot between 6:30 PM - 10:00 PM, and each session will last approximately 1-1.5 hours.

Mandatory Attendance: A minimum of 70% attendance in live classes is required. Certification Criteria: Certifications will only be issued to students who maintain the required attendance.

Contact Us

Course starts:

Classes from first week of the month

Program hours:

50+ learning hours

4+ Industrial Projects

For admissions, contact:

+918130058278

support@techleapacademy.org