

Cyber Security with AI

Industry-oriented Cyber Security training with Ethical Hacking, Network Security, Penetration Testing, SOC, SIEM, Cloud Security and AI-powered Threat Detection & Analytics with placement support.

Duration	2 Months
Level	Beginner to Advanced
Category	AI Security
Mode	Live Online / Corporate Training

Programme Highlights

- ✓ Live Instructor-Led Online Training
- ✓ Real-Time Industry Projects & Lab Access
- ✓ Recorded Sessions & Lifetime Study Materials
- ✓ Resume + LinkedIn + Naukri Profile Optimisation
- ✓ Mock Interviews & Interview Q&A Practice
- ✓ Placement Assistance & MNC Job References
- ✓ 100% Practical Training with Real-Time Labs
- ✓ AI Threat Detection & Real-Time Protection Labs
- ✓ CEH, CompTIA Security+, CISSP, CHFI Certification Guidance
- ✓ Online + Offline (Ameerpet / Kukatpally) Batches

Build job-ready cyber security skills through practical, instructor-led Cyber Security Online Training designed for beginners, graduates, IT professionals, and working professionals.

Our training program focuses on practical cyber security concepts, hands-on labs, real-world scenarios, interview preparation, and career support. Learners can attend online classes from Hyderabad, Bangalore, Chennai, India, USA, UK, Canada, and other locations.

If you are searching for cyber security training in Hyderabad, cyber security in Hyderabad with placement, or the best cyber security online training institutes in Hyderabad, this program is designed to help you progress from fundamental concepts to practical security skills.

Detailed Curriculum

Module 1: Ethical Hacking

- Footprinting
- Scanning
- Enumeration
- System hacking
- Kali Linux

Module 2: Network Security

- Network fundamentals

- Firewall configuration
- IDS / IPS
- VPN security
- Wireless security
- Network monitoring

Module 3: Web Application & Penetration Testing

- OWASP Top 10
- Burp Suite
- Vulnerability scanning
- Reporting

Module 4: SOC Analyst & SIEM

- SOC operations
- Incident response
- Log analysis
- Splunk
- QRadar
- MITRE ATT&CK

Module 5: AI for Cyber Security

- ML for anomaly detection
- Behaviour analytics
- AI-powered threat hunting
- AI phishing & malware classification

Module 6: Cloud Security

- AWS Security
- Azure Security
- IAM
- Cloud Pentest

Module 7: Malware Analysis

- Static & dynamic analysis
- Sandboxing
- Reverse engineering

Tools & Technologies Covered

Kali Linux	Metasploit	Burp Suite
Wireshark	Splunk	QRadar
Nessus	Nmap	Python (AI)
AWS	Azure	

Real-Time Projects

- AI-Powered SOC Use-Case in Splunk

- Web Application Penetration Test
- Anomaly Detection on Network Traffic
- AI-Assisted Phishing Detection
- Cloud Security Audit on AWS with AI Risk Scoring

Career Opportunities

SOC Analyst	Ethical Hacker
Penetration Tester	Cyber Security Engineer
AI Security Engineer	Threat Hunter
Cloud Security Engineer	SIEM Engineer

Why Choose Our Cyber Security Online Training?

Cyber security professionals help organizations protect networks, applications, systems, cloud infrastructure, and business data from security threats and cyberattacks. Our training combines conceptual learning with practical exercises so that participants understand not only what security technologies do, but how they are applied in real-world environments.

- ✓ Instructor-led live online training
- ✓ Real-time and project-based learning
- ✓ Practical cyber security lab exercises
- ✓ Suitable for beginners and professionals
- ✓ Video recording access
- ✓ Study materials
- ✓ Resume preparation assistance
- ✓ ATS-friendly resume guidance
- ✓ Naukri profile optimization
- ✓ LinkedIn profile optimization
- ✓ Interview preparation
- ✓ Job application guidance
- ✓ Placement assistance
- ✓ Career-oriented cyber security projects

Cyber Security Course Curriculum

Module 1: Cyber Security Fundamentals

- Introduction to cyber security
- Information security fundamentals
- CIA Triad
- Threats and vulnerabilities
- Cyberattack fundamentals
- Malware concepts
- Security controls
- Authentication & authorization

- Risk management basics

Module 2: Networking Fundamentals

- TCP/IP and OSI Model
- IP addressing
- Ports and protocols
- DNS, DHCP, HTTP/HTTPS
- Firewalls and routers
- VPN concepts
- Network traffic fundamentals
- Network security architecture

Module 3: Linux for Cyber Security

- Linux commands
- File systems
- Users, groups and permissions
- Processes
- Networking commands
- Log analysis
- Linux security fundamentals
- Command-line administration

Module 4: Windows Security

- Windows architecture
- User accounts and permissions
- Windows security controls
- Event logs
- Authentication
- Active Directory fundamentals
- Windows security monitoring

Module 5: Ethical Hacking Fundamentals

- Reconnaissance & footprinting
- Scanning and enumeration
- Vulnerability identification
- Security testing methodology
- Reporting vulnerabilities
- Ethical hacking principles

Vulnerability Assessment & Penetration Testing

- Vulnerability identification
- Vulnerability scanning
- Risk classification
- Security weaknesses
- Penetration-testing methodology
- Remediation recommendations
- Security assessment reporting

Web Application Security

- Web application architecture

- HTTP/HTTPS, cookies and sessions
- Authentication vulnerabilities
- Authorization issues
- Input validation
- SQL injection & XSS concepts
- OWASP Top 10
- Secure coding awareness

SOC & Security Operations

- SOC fundamentals
- Security monitoring & alerts
- Event analysis
- Incident detection
- Log analysis
- Incident escalation
- Security investigation workflow
- Threat intelligence concepts

SIEM Fundamentals

- Security logs
- Event collection
- Log correlation
- Alert generation
- Incident identification
- Dashboards
- Detection rules
- Security monitoring workflows

Cloud Security Fundamentals

- Cloud computing fundamentals
- Shared responsibility model
- Identity and access management
- Cloud network security
- Cloud data security
- Security monitoring
- Cloud misconfiguration risks
- Cloud security best practices

All practical activities should be performed only in authorized lab environments.

What a Career-Focused Cyber Security Course Should Provide

- Live instructor interaction
- Practical labs
- Real-world security scenarios
- Networking fundamentals
- Linux and Windows security concepts
- Vulnerability assessment exposure
- Web application security
- Security monitoring concepts

- Cloud security fundamentals
- Projects and assignments
- Interview preparation
- Career support

Beginner Learning Path

Step 1 → Computer Fundamentals	Step 2 → Networking Basics
Step 3 → Operating Systems & Linux	Step 4 → Security Fundamentals
Step 5 → Common Cyber Threats & Controls	Step 6 → Web Technologies & Vulnerabilities
Step 7 → Ethical Hacking / VAPT	Step 8 → SOC, SIEM & Cloud Security
Step 9 → Projects & Interview Preparation	

Who Can Learn Cyber Security?

- B.Tech / B.E. / B.Sc / BCA / MCA / M.Tech students
- Computer science and IT students
- Freshers
- Working professionals
- Network engineers
- System administrators
- Software engineers
- Technical support professionals
- Cloud professionals
- Professionals planning a career change

Placement Assistance & Career Support

- ✓ Resume preparation
- ✓ ATS resume optimization
- ✓ LinkedIn profile preparation
- ✓ Naukri profile optimization
- ✓ Cyber security interview questions
- ✓ Technical interview preparation
- ✓ Mock interview guidance
- ✓ Job search guidance
- ✓ Job application support
- ✓ Placement assistance

Placement assistance does not mean guaranteed employment. The objective is to improve your technical skills, job readiness, professional profile, and interview preparation so that you can compete more effectively for suitable opportunities.

Cyber Security Career Opportunities

- SOC Analyst
- Cyber Security Analyst
- Information Security Analyst
- Security Operations Analyst
- Network Security Engineer
- Vulnerability Analyst
- Security Engineer
- Cloud Security Associate
- Incident Response Analyst
- Cyber Security Consultant
- Penetration Tester
- Application Security Analyst

The specific position a candidate can qualify for depends on education, prior experience, technical ability, certifications, communication skills, and employer requirements.

Cyber Security Training in Hyderabad & Ameerpet

Our Hyderabad and Ameerpet training centres offer classroom-based practical training with advanced lab infrastructure, alongside live online batches. Training focuses on hands-on learning and real-world cyber attack simulations rather than theory alone.

- Ethical Hacking
- Network Security
- Web Application Security
- Penetration Testing
- Kali Linux
- SOC Analyst Training
- SIEM Tools
- Firewall Security
- Cloud Security
- Malware Analysis

Network Security Training

Understand firewall management, intrusion detection systems, VPN security, router security and enterprise network protection.

- Network Fundamentals
- Firewall Configuration
- IDS / IPS
- VPN Security
- Wireless Security
- Network Monitoring

Cyber Security Certification Guidance

Receive an industry-recognised course completion certificate and structured guidance for global certification pathways.

- ✓ CEH – Certified Ethical Hacker
- ✓ CompTIA Security+
- ✓ CISSP
- ✓ CHFI
- ✓ CISM
- ✓ SOC Analyst Certifications

Training Modes & Batches

- Classroom Training (Ameerpet / Kukatpally)
- Online Live Training
- Weekend Batches
- Fast Track Training
- Corporate Training
- Flexible Payment & Installment Options
- Lifetime Access to Study Materials
- Virtual Lab Access

Why Choose Our Cyber Security Training Institute in Hyderabad?

- ✓ Real-Time Industry Trainers
- ✓ 100% Practical Hands-On Sessions
- ✓ Live Hacking Demonstrations
- ✓ Real-Time Threat Analysis
- ✓ Industry-Level Lab Practice
- ✓ Affordable Course Fees
- ✓ Online & Offline Training
- ✓ Flexible Timings & Interview Support
- ✓ Updated Course Curriculum
- ✓ International Batches – USA, UK, Canada, Singapore, Australia

Frequently Asked Questions

Q. Do I need an IT degree or coding background?

No. Any graduate with interest in security can join. We teach the AI/ML concepts needed for security from scratch.

Q. Will I get hands-on labs?

Yes. Every module includes live labs on Kali Linux, SIEM tools and cloud platforms.

Q. Which certifications does this align with?

CEH, CompTIA Security+, CISSP, CHFI, CISM and SOC analyst tracks.

Q. Do you offer placement support?

Yes. Resume preparation, LinkedIn optimisation, mock interviews and job referrals are included.

Start Your Cyber Security Career

Learn practical, lab-driven cyber security with AI-assisted defence concepts and complete career support — from anywhere in India, USA, UK or Canada.

- ✓ Live Instructor-Led Cyber Security Training
- ✓ Hands-On Security Labs
- ✓ Ethical Hacking, VAPT & Web Security
- ✓ SOC, SIEM & Cloud Security
- ✓ Session Recordings & Study Materials
- ✓ Interview Preparation & Mock Interviews
- ✓ Resume, LinkedIn & Naukri Optimization
- ✓ Job Application Support
- ✓ Placement Assistance

Learn Security. Practice in Labs. Analyse Real Threats. Get Interview-Ready.

Admissions & Contact

Call / WhatsApp	+91 81422 35295 +91 74168 77757
Email	itclassesinfo@gmail.com
Website	https://www.itclasses.in
Address	IT Classes, Manjeera Trinity Corporate, 14th Floor, eSeva Ln, Kukatpally Housing Board Colony, KPHB Phase 3, Kukatpally, Hyderabad, Telangana 500072, India

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