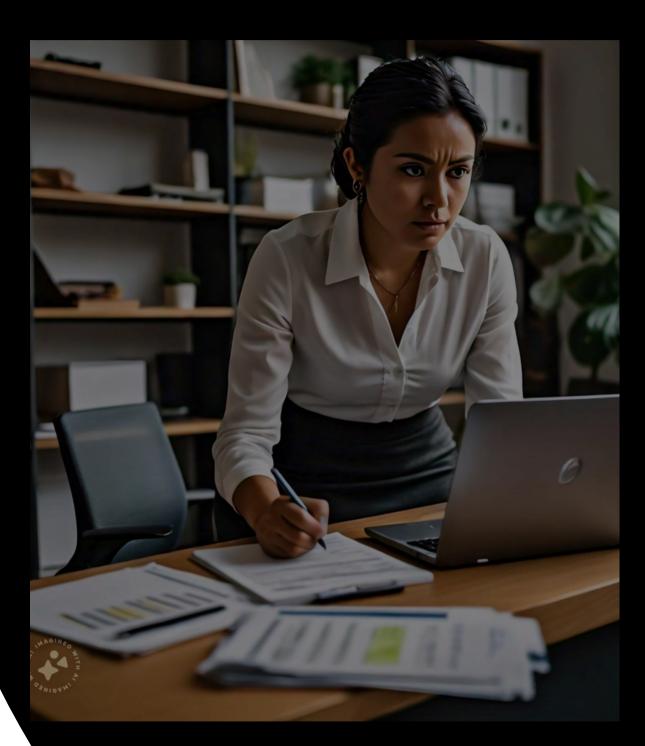






OUR MISSION:



"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES:

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."

Week 1: Introduction to Cybersecurity

- Day 1-2: Orientation and Overview
 - Introduction to the organization and its cybersecurity team
 - Overview of the cybersecurity field
 - o Importance of cybersecurity in today's digital age
- Day 3-4: Basic Concepts
 - Understanding networks and the internet
 - Fundamentals of information security (CIA Triad: Confidentiality, Integrity, Availability)
 - Common cybersecurity terminologies
- Day 5: Cybersecurity Threat Landscape
 - Types of cyber threats (malware, phishing, DDoS, etc.)
 - Overview of recent cyber-attacks and case studies

Week 2: Network Security

- Day 1-2: Network Fundamentals
 - Introduction to network architecture (LAN, WAN, VPN, etc.)
 - TCP/IP model and OSI layers
- Day 3-4: Network Security Measures
 - Firewalls and intrusion detection/prevention systems
 - Network monitoring and traffic analysis
- Day 5: Hands-on Lab
 - Setting up and configuring a basic firewall
 - Network scanning using tools like Nmap

Week 3: System Security

- Day 1-2: Operating System Security
 - Securing Windows and Linux systems
 - Patch management and system hardening
- Day 3-4: Endpoint Security
 - Antivirus and anti-malware solutions
 - Endpoint detection and response (EDR) tools
- Day 5: Hands-on Lab
 - Configuring security settings on a Windows/Linux machine
 - Simulating malware detection and response

Week 4: Application Security

- Day 1-2: Secure Software Development
 - Secure coding practices and common vulnerabilities (OWASP Top 10)
 - Code review and static analysis tools
- Day 3-4: Web Application Security
 - Introduction to web application vulnerabilities (SQL injection, XSS, CSRF, etc.)
 - Security testing methodologies (DAST, SAST)
- Day 5: Hands-on Lab
 - Conducting a basic web application penetration test

Week 5: Identity and Access Management (IAM)

- Day 1-2: IAM Fundamentals
 - Authentication vs. authorization
 - Single Sign-On (SSO), Multi-Factor Authentication (MFA)
- Day 3-4: Access Control Models
 - Role-Based Access Control (RBAC)
 - Least privilege and zero trust models
- Day 5: Hands-on Lab
 - Configuring IAM policies in a cloud environment (e.g., AWS IAM)
 - Implementing MFA for a web application

Week 6: Incident Response and Forensics

- Day 1-2: Incident Response Planning
 - Incident response lifecycle (preparation, detection, containment, eradication, recovery, lessons learned)
 - Building an incident response team
- Day 3-4: Digital Forensics
 - Introduction to digital forensics tools and techniques
 - Forensic investigation process
- Day 5: Hands-on Lab
 - Simulating a cyber incident and response
 - Conducting a basic forensic analysis

Week 7: Cloud Security

- Day 1-2: Cloud Security Fundamentals
 - Overview of cloud service models (IaaS, PaaS, SaaS)
 - Shared responsibility model
- Day 3-4: Securing Cloud Environments
 - Cloud security best practices
 - Cloud-native security tools
- Day 5: Hands-on Lab
 - Configuring security settings in a cloud environment (e.g., AWS, Azure, GCP)
 - Conducting a cloud security assessment

Week 8: Capstone Project and Presentation

- Day 1-4: Capstone Project
 - Interns work on a comprehensive cybersecurity project that incorporates elements from previous weeks
 - Possible projects: Developing a security policy, conducting a full security assessment, or creating a security awareness program
- Day 5: Presentation and Feedback
 - Interns present their projects to the cybersecurity team and receive feedback
 - Wrap-up session and discussion on career paths in cybersecurity

Our Partners Company's



























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