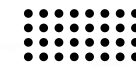


CYBER SECURITY SKILL-BUILDING CERTIFICATE PROGRAM

Introduction to cybersecurity concepts, threats, tools, and practical security skills for beginners.



INTRODUCTION



The Cyber Security Skill-Building Certificate Program is a comprehensive training course designed to equip learners with foundational and practical cybersecurity skills. um velit sagittis at. Aliquam erat volutpat.

It covers network security, ethical hacking, threat detection, cryptography, and risk management. Through hands-on learning and real-world scenarios, participants gain the knowledge needed to protect digital systems and respond to cyber threats effectively.



WHAT THIS PROGRAM COVERS



- Builds foundational knowledge of cybersecurity
- Introduces digital security, cyber threats, and modern protection practices
 - Hands-on learning with practical modules
- Designed for beginners and aspiring security professionals

MODULE 1: INTRODUCTION TO CYBERSECURITY & DIGITAL THREATS

Computer Networks & Internet Fundamentals

- What is cybersecurity
- Types of cyber threats
- Importance of information security
- Cybersecurity roles and domains

Computer Networks & Internet Fundamentals

- Basics of networks
- Network types & components
- How data travels across the internet



OPERATING SYSTEMS & SECURITY BASICS



- Windows and Linux basics
- Accounts, permissions & OS vulnerabilities



CYBER THREATS, MALWARE & ATTACK TYPES

- Malware types (virus, worm, ransomware)
- Phishing & social engineering Insider threats
- Accounts, permissions & OS vulnerabilities

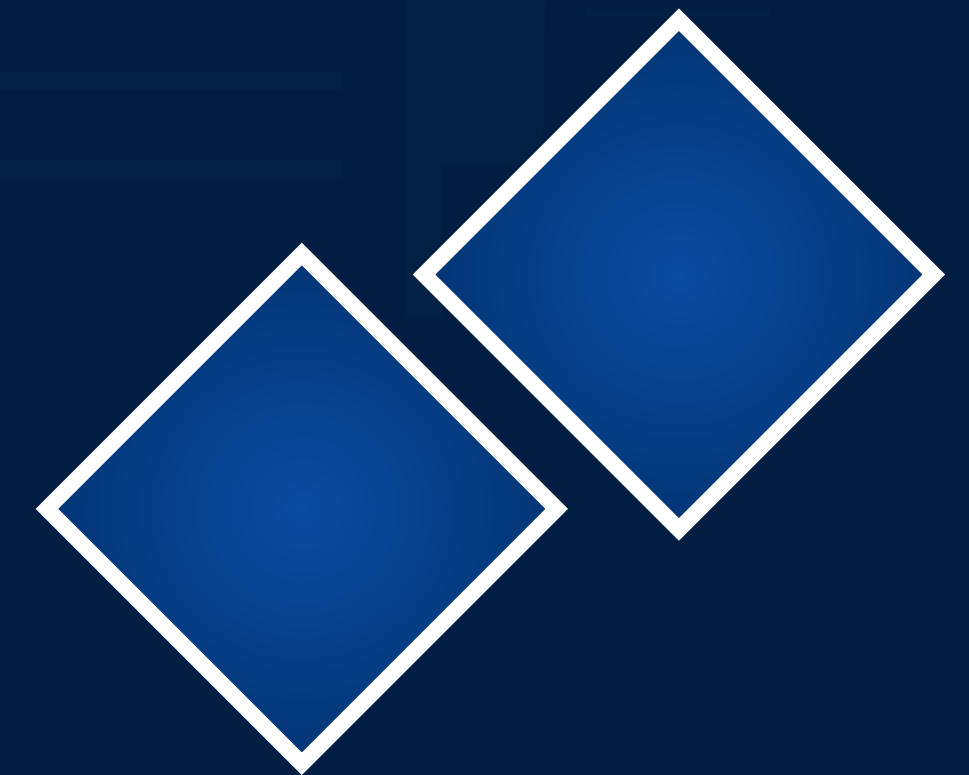
NETWORK SECURITY & FIREWALLS

- Network security concepts
- Firewalls and IDS/IPS basics
- Secure network principles

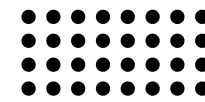


CRYPTOGRAPHY & DATA PROTECTION

- Symmetric & asymmetric encryption
- Hashing & digital signatures
- Protecting data in storage & transfer



WEB & APPLICATION SECURITY BASICS



- Common web vulnerabilities
- Authentication & authorization
- Introduction to secure application practices
- Overview of the OWASP Top 10 risks



CONCLUSION

The Cyber Security Skill-Building Certificate Program provides a strong foundation in cybersecurity principles, practical tools, and real-world security practices. From understanding networks and operating systems to ethical hacking, cloud security, and cyber laws, learners gain comprehensive knowledge and hands-on experience.


By completing this program, participants are equipped to identify vulnerabilities, mitigate threats, and support organizational security operations. This course prepares beginners for entry-level cybersecurity roles and lays the groundwork for advanced certifications and career growth in the cybersecurity field.






THANK YOU

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