

# CYBERSECURITY

"From Basics to Battlefield Get Industry Ready in Just 4 Months!"

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#### What is Cybersecurity?

Cybersecurity is the practice of protecting computer systems, networks, and data from digital attacks, unauthorized access, and damage. It involves implementing technologies, processes, and controls to safeguard sensitive information and ensure the integrity, confidentiality, and availability of digital assets.

In today's connected world, cybersecurity is essential to defend against cyber threats like hacking, malware, phishing, and data breaches —whether in personal use, business, or national security.

Major importance of cybersecurity:

- · Data Protection: Safeguards personal, financial, and organizational data from breaches.
- · Business Continuity: Ensures uninterrupted operations even in the face of threats.
- · Trust & Reputation: Builds customer trust by keeping their information safe.
- Compliance: Meets regulatory requirements and avoids legal penalties.
- · National Security: Defends critical infrastructure and sensitive information from cyberwarfare and terrorism.

Simply put, cybersecurity is all about staying safe in the digital world.

#### Why this Program?

Understand core cybersecurity concepts

Learn to identify and mitigate security threats

Gain practical experience with industrystandard tools

Build a career in one of the most indemand tech fields



#### Who can benefit?

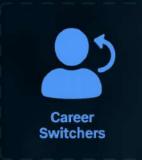


Certification Preparation



Internship & Projects





"In a world where everything is connected, the one who masters cybersecurity holds the power to protect it all."

How can you attend?

Online

Offline

Hybrid

## What will you gain?

#### **Basics of Cyber Security**

Introduction to Cybersecurity

**Networking and Protocol Basics** 

**Operating System Fundamentals** 

**Cyber Threats and Attack Vectors** 

## Offensive Security (Ethical Hacking)

Reconnaissance and Footprinting

**Scanning and Enumeration** 

**Vulnerability Assessment and Exploitation** 

**System Hacking** 

**Web Application Security** 

Wireless and Mobile Hacking

Penetration Testing Methodology

## **Defensive Security (Blue Team)**

**Security Operations and Management** 

Understanding Cyber Threats, IoCs, and Attack Methodology

Incidents, Events, and Logging

**Incident Detection with SIEM** 

**Enhanced Incident Detection with Threat Intelligence** 

**Incident Response** 

No prior cybersecurity experience required just curiosity and commitment!

## Why Cybnix Solutions?













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