



# Cyber Security and Online Privacy

Staying Safe in the Digital World

PRESENTED BY :-

AYESHA NASIR  
BS-MATH-80



# Navigating the Digital Landscape

In today's digital world, we leverage the internet for everything like shopping, banking, and social media. While these advancements offer incredible convenience and connectivity, they also introduce significant risks—primarily in the form of cyber threats. This makes understanding and practicing cyber security and online privacy absolutely vital in our daily lives.

# What is Cyber Security?

01

## Digital Fortress

Cyber security is the practice of protecting computers, mobile phones, and networks from digital attacks and unauthorized access. It's like building a strong defense around your digital life.

02

## Threat Prevention

Its primary goal is to prevent hacking, malware infections, and various cyber attacks that can compromise your devices and data.

03

## Data Safeguard

Ultimately, cyber security ensures the protection of your important data and information, keeping it confidential, integral, and available only to you.



# Understanding Online Privacy

Online privacy is about having control over our personal information online. It dictates who can access your data and how it's used. This includes sensitive details such as:

Your Name: Personal identification

Passwords: Keys to your digital accounts

Photos: Visual records of your life

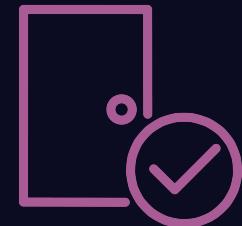
Bank Details: Financial information

Location: Where you are in the real world

The main purpose of online privacy is to prevent the misuse of your data and identity theft, safeguarding your digital persona.



# Common Cyber Threats You Should Know



## Hacking

Unauthorized access to your online accounts, devices, or systems, often leading to data theft or manipulation.

## Malware

Malicious software, including viruses and ransomware, designed to damage your device or steal your data.

## Phishing

Deceptive emails or messages designed to trick you into revealing personal information, like passwords or credit card numbers.

## Data Breaches

Incidents where sensitive, protected, or confidential data is accidentally or intentionally exposed to an unauthorized party.

# Why Cyber Security and Privacy Are Crucial

## → Protects Personal & Financial Data

Safeguards your sensitive information from unauthorized access, keeping your identity and finances secure.

## → Prevents Online Fraud & Scams

Acts as your first line of defense against financial losses and personal distress caused by malicious actors.

## → Keeps Social Media Accounts Safe

Protects your digital reputation and personal interactions from being compromised or misused.

## → Builds Trust in Online Services

Ensures a reliable and secure environment for online transactions, communication, and digital interaction.

## → Secures Organizations & Countries

Extends beyond individuals to protect critical infrastructure, national security, and economic stability.

# Simple Steps to Protect Yourself



## Use Strong Passwords

Combine uppercase and lowercase letters, numbers, and symbols. Avoid easy-to-guess information.

## Enable Two-Factor Authentication (2FA)

Adds an extra layer of security, requiring a second verification method beyond your password.

## Do Not Click Unknown Links

Be wary of suspicious links in emails or messages; they could lead to phishing sites or malware downloads.

## Avoid Sharing Personal Information

Think twice before sharing sensitive details online, especially on public platforms or with unverified sources.

## Update Software & Antivirus Regularly

Keep your operating system, applications, and antivirus software up-to-date to patch vulnerabilities.

# Your Role as a Student in Digital Safety

## Be a Responsible Internet User

Understand the impact of your online actions and choose to interact ethically and safely.

## Learn Basic Cyber Safety Rules

Familiarize yourself with fundamental practices to protect your data and privacy.

## Spread Awareness Among Peers

Share your knowledge and encourage friends and family to adopt secure online habits.



# The Path to a Secure Digital Future

Cyber security and online privacy are not only technical issues but personal responsibilities. By using the internet wisely and safely, we can create a secure digital future.





A network graph is visible at the top of the slide, consisting of numerous small, glowing purple and white circular nodes connected by thin, translucent purple lines forming a complex web.

# Thank You!

Questions?