

ETHICAL HACKER ROADMAP 2026

ZERODAY ACADEMY

ETHICAL HACKER ROADMAP 2026

Beginner To Advanced Guide

[GitHub](#)



ETHICAL HACKER ROADMAP 2026

- **Beginners**
 - **College Students**
 - **BBA/BCom/BA Students**
 - **Non-Tech Students**
 - **Cybersecurity Enthusiasts**
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This Roadmap is designed to help anyone start cybersecurity from zero.

No coding background required.

STAGE 1 — COMPUTER BASICS

Learn:

- ✓ How computer works
- ✓ RAM / CPU / Storage
- ✓ Windows Basics
- ✓ File System
- ✓ Internet Basics

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Tools:

Windows

Browser

VirtualBox

Duration: 👉 1-2 Weeks

STAGE 2 — NETWORKING

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Learn:

- ✓ **IP Address**
- ✓ **MAC Address**
- ✓ **DNS**
- ✓ **HTTP / HTTPS**
- ✓ **Router / Switch**
- ✓ **OSI Model**

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Tools:

Cisco Packet Tracer

Wireshark

Duration: 👉 2-4 Weeks

STAGE 3 — LINUX

Learn:

 **Linux Commands**

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 **File Permissions**

 **Users**

 **Networking Commands**

 **Bash Basics**

Commands:

ls

cd

pwd

mkdir

chmod

ping

ifconfig

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Tools:

Kali Linux

Ubuntu

Duration: 👉 2-3 Weeks

STAGE 4 — PROGRAMMING

Start With:

-  **Python Basics**
-  **Variables**
-  **Loops**
-  **Functions**
-  **Requests Library**

Then Learn:

HTML

CSS

JavaScript

Duration: 👉 1-2 Months

STAGE 5 — ETHICAL HACKING

Learn:



Information Gathering

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- ✓ **Scanning**
- ✓ **Enumeration**
- ✓ **Vulnerability Analysis**
- ✓ **Exploitation Basics**

Tools:

Nmap

Burp Suite

Metasploit

Practice:

TryHackMe

HackTheBox

STAGE 6 — WEB SECURITY

Learn:

 SQL Injection

 XSS

 CSRF

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 **Authentication**

 **API Security**

Practice:

DVWA

PortSwigger Labs

STAGE 7 — CLOUD + AI SECURITY

Learn:

 **AWS Basics**

 **IAM**

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- ✓ **Cloud Security**
- ✓ **AI Security Basics**
- ✓ **Prompt Injection**

Why Important? 🙌 AI + Cloud = Future of Cybersecurity

Cybersecurity Career Options

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- ✓ **Pentester**
- ✓ **SOC Analyst**
- ✓ **Cloud Security Engineer**
- ✓ **Digital Forensics**
- ✓ **Malware Analyst**
- ✓ **Bug Bounty Hunter**
- ✓ **Security Researcher**

**Cybersecurity is not about degree.
It is about skills + consistency.**

Start small.

Build projects.

Practice daily.

ZERODAY ACADEMY will help beginners learn cybersecurity step-by-step.

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Plain text

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