

Ethical Hacking Roadmap with Subtopics and Resources

1. Understand the Basics

Networking

- **OSI Model and TCP/IP**
 - [OSI Model Explained - YouTube](#)
 - [TCP/IP Model - Cisco Guide](#)
- **IP Addressing and Subnetting**
 - [Subnetting Tutorial - YouTube](#)
 - [Subnetting Made Easy](#)
- **DNS, DHCP, ARP**
 - [DNS and DHCP Explained - YouTube](#)
 - [ARP Basics](#)
- **Packet Analysis**
 - [Wireshark Basics - YouTube](#)
 - [Wireshark Documentation](#)

Operating Systems

- **Linux Basics and Command Line**
 - [Linux Command Line for Beginners - YouTube](#)

- [Linux Survival - Interactive Course](#)
- **File Systems and Permissions**
 - [Linux File Permissions - YouTube](#)
 - [Linux File System Basics - GeeksforGeeks](#)
- **Kali Linux Basics**
 - [Kali Linux Full Tutorial - Hindi](#)
 - [Kali Linux Tutorial - English](#)
 - [Kali Linux Official Documentation](#)

Programming

- **Python for Automation and Exploitation**
 - [Python Crash Course - YouTube](#)
 - [Automate the Boring Stuff with Python - Free Book](#)
- **Bash Scripting**
 - [Bash Scripting Full Course - YouTube](#)
 - [Bash Scripting Basics - TutorialsPoint](#)
- **Understanding C for Buffer Overflows**
 - [C Programming Tutorial for Beginners - YouTube](#)
 - [C Programming Basics - Programiz](#)

Databases

- **SQL Injection Techniques**
 - [SQL Injection for Beginners - YouTube](#)
 - [SQL Injection Basics - Acunetix](#)

2. Develop Hacking Skills

Web Application Security

- **Cross-Site Scripting (XSS)**
 - [XSS Exploits Explained - YouTube](#)
 - [XSS Guide - OWASP](#)
- **SQL Injection**
 - [SQL Injection Explained - YouTube](#)
 - [SQL Injection Labs - PortSwigger](#)

System Security

- **Reverse Engineering**
 - [Reverse Engineering Basics - YouTube](#)
 - [Reverse Engineering Guide - GitHub](#)
 - [Reverse Engineering Guide - Medium](#)
- **Privilege Escalation Techniques**
 - [Linux Privilege Escalation - YouTube](#)
 - [Linux Privilege Escalation Guide - GTFOBins](#)

Wireless Security

- **Cracking Wi-Fi Passwords**
 - [Wi-Fi Hacking Tutorial - YouTube](#)

Cryptography

- **Symmetric and Asymmetric Encryption**
 - [Encryption Basics - YouTube](#)
 - [Encryption Explained - Khan Academy](#)
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This markdown contains the full roadmap for ethical hacking with subtopics and relevant resources for each topic.