

OLD HAND HACKER



HARSHA VARDHAN

ABOUT ME



- Helped 2000+ students to get started in cyber security.
- 30K+ followers on Instagram.
- Trying to contribute more to the community.

Hey hackers, I'm Harsha Vardhan and i help people to get started in cyber security.

@cyberharzh

**WAIT HACKERS FIRST WE
WILL LEARN**

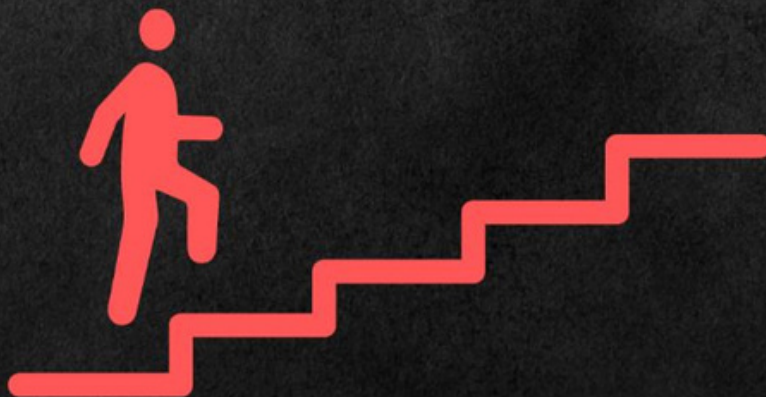
1.WHAT IS HACKING

2.WHO IS HACKER

3.TYPES OF HACKERS

4.ABOUT CYBER CRIME

**5.RULES FOLLOWED BY
ETHICAL HACKERS**



WHAT IS HACKING



Hacking is the activity of identifying weaknesses in a computer system or a network to exploit the security to gain access to personal data or business data. An example of computer hacking can be: using a password cracking algorithm to gain access to a computer system.

WHO IS HACKER



A Hacker is a person who finds and exploits the weakness in computer systems and/or networks to gain access. Hackers are usually skilled computer programmers with knowledge of computer security.

TYPES OF HACKERS



Hackers are classified according to the intent of their actions. The following list classifies types of hackers according to their intent:



White Hat Hacker



Black Hat Hacker



Green Hat Hacker



Grey Hat Hacker



Blue Hat Hacker



Red Hat Hacker



Script Kiddies



Hacktivist



State/Nation
Sponsored
Hackers



Malicious
Insider or
Whistleblower

INTRODUCTION OF CYBERCRIME



Cybercrime is the activity of using computers and networks to perform illegal activities like spreading computer viruses, online bullying, performing unauthorized electronic fund transfers, etc. Most cybercrime hacks are committed through the internet, and some cybercrimes are performed using Mobile phones via SMS and online chatting applications.

RULES FOLLOWED BY ETHICAL HACKER



Get written permission from the owner of the computer system and/or computer network before hacking.

Protect the privacy of the organization been hacked.

Transparently report all the identified weaknesses in the computer system to the organization.

Inform hardware and software vendors of the identified weaknesses.

GUIDE TO GET STARTED IN CYBER SECURITY





NETWORKING

Networking is the backbone of internet and it is fundamental skill to become a master Hacker.



LINUX

Having A good understanding of the linux command line will make you more efficient.



PROGRAMING LANGUAGES

Out of many other skills
hacker should master
Programming languages

Some cyber security
career path doesn't
require programing skills.



CYBER SECURITY SKILLS

Networking and system
administration.

knowledge of operating
systems & virtual machines.

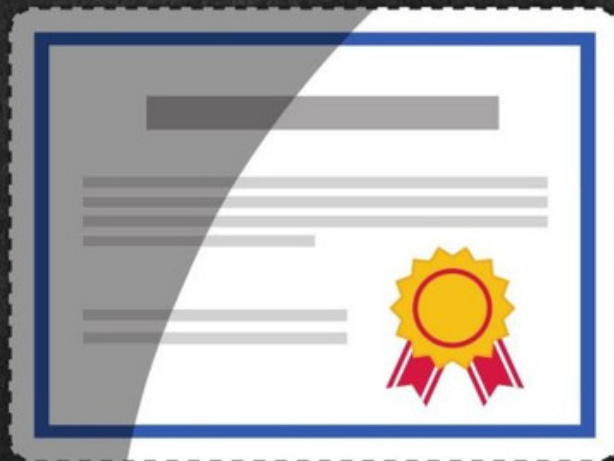
Network Security
control.

Cloud security.

Coding.

QUALIFICATION

To start with you need a basic qualification as graduation in information technology or computer science-related course or any equivalent graduation as a basic building block. Please keep in mind there is no need to be engineering graduation it can be any graduation that is related to Computer science



CHOOSE YOUR ROLE

First of all, you should know all the domains that are there in this field. The basic fields are :

Access Control System
& Methodology

Telecommunication &
Network Security

Security Management
Practices

Security Architecture &
models

Laws, Investigation &
ethics

Application & System
Development security

Cryptography

Computer Operation &
Security

Physical Security

There are also advanced
fields in Cyber Security.

CHOOSE YOUR ROLE

Now, in these domains, there are mainly 8 job roles:

Chief Information & Security Officer

Information Security Analyst

Penetration Tester

IT Security Engineer

Forensic Computer Analyst

Security System

Administration

Security Architecture

IT Security Consultant

CERTIFICATIONS

Let us see the important certifications in cyber-security.

A+

Network+

Security+

Linux+

CASP + : CompTIA Advanced Security
Practitioner

CySa+ : CompTIA Cybersecurity Analyst

CompTIA Certifications:

CEH: Certified Ethical Hacker

CHFI: Computer Hacking Forensics
Investigator

ECSCA: EC-Council Certified Security
Analyst

LPT: Licensed Penetration Tester

EC Council Certifications:

CERTIFICATIONS

CISM: Certified Information Systems
Manager

CISA: Certified Information Systems
Auditor Cisco Certifications

CCNA Routing & Switching: Cisco
Certified Network Associate

CCNA Security: Cisco Certified
Network Associate

ISACA Certifications:

CISSP: Certified Information Systems
Security Professional

SSCP: Systems Security Certified
Practitioner

CCSP: Certified Cloud Security
Professional

CAP: Certified Authorization
Professional

ISC2 Certifications:

**AFTER SELECTING IN
WHICH ROLE YOU
WANT TO
PROCEED, NOW ITS
TIME TO SELECT THE
COURSES.**



YOUTUBE CHANNELS

Geeky Hub
Bitten Tech
freeCodeCamp.org
David Bombal
CodeWithHarry
HackerSploit.
Infosec.
InsiderPhD.
John Hammond.
LiveOverflow.
Security Now.
The Cyber Mentor.
The PC Security Channe
David Bombal
NetworkChuck
Spin The Hack
Technical Navigator
Techchip
Bitten Tech
Saksham the computer guy
Eshan Singh.



FREE CYBER SECURITY COURSES

Introduction to IT & Cybersecurity
(Cybrary)

Mobile App Security (Cybrary) –
Introduction to Cybersecurity (edx)
Introduction to Cyber Security (Future
Learn)

Introduction to Encryption and
Cryptography (Future Learn)
Fundamentals of Red Hat Linux (edx)

Introduction to Cybersecurity
(Codecademy)

Cisco Networking AcademySANS
Cyber Aces (covers foundation areas
of
cybersecurity)



PRACTICE LABS

TryHackMe

DVWA Labs

OWASP Labs

HackTheBox

Vulnhub

HackThis Site

PentesterLab

Owasp Broken Web Application



I really appreciate your
patience. Thanks for
reading till end best of
luck for your career

@cyberharzh



GOOD

LUCK

YOU!