HackersVilla
CYBERSECURITY PVT LTD

ZERO-2-PRO
IN BUG BOUNTY

A 30 Days Self Learning Planner

Created Exclusively By

Sanchay Singh

DISCLAIMER

The contents of this cybersecurity roadmap planner are provided for informational purposes only.

The information and recommendations presented within this journal are based on the knowledge available up to the stated knowledge cutoff date.

However, the rapidly evolving nature of technology and cybersecurity means that some information may become outdated or inaccurate over time.

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ABOUT THE CREATOR

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Picture this: a a self taught tech enthusiast with a sprinkle of cybersecurity wizardry, full of knowledge and having love for knowledge sharing.

This is what best describe the mind behind this planner- **Sanchay Singh**

He is **cybersecurity expert**, **corporate trainer and a public speaker** who has trained over 20,000 people in webinars over the last year! He has worked with UpgradCampus designing their course and with many top researchers of India as well.

His idea behind creating this planner is to let people know that you can also be a self taught cybersecurity expert if you maintain this consistentcy of 90 days.

FOREWARD

Dear Cybersecurity Enthusiast,

Welcome to the 90-Day Cybersecurity Mastery Planner, an exclusive guide designed to take you on a **transformative journey** from a curious newcomer to a proficient expert in the dynamic field of cybersecurity.

This planner is more than just a collection of pages; it is a **roadmap** that will guide you through a comprehensive learning experience over the next 90 days. Each day, you will find a set of topics and tasks that will gradually immerse you in the various aspects of cybersecurity.

Remember, the journey towards cybersecurity mastery is **not a sprint but a marathon**. Each day's tasks are designed to be manageable, allowing you to absorb the information at a comfortable pace.

Stay curious, stay vigilant, and enjoy the adventure that lies ahead.

Best regards,
Sanchay Singh
(Your go-to cybersecurity expert)

Day 1: Basics to Networking

Major Goal
Learn OSI Reference Model and understand the layers

What to learn today?

1. OSI Model and how all the 7 Layers work
2. TCP/IP Model
3. Physical Layer - Topology, Devices, Cables

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the world of bug bounty hunting, every vulnerability uncovered is a step towards a more secure digital landscape

Day 2: MAC and IP Addresses

Major Goal
Learn how MAC and IP Addresses work

What to learn today?

1. Switch and MAC Addressing
2. Routers and IP Addressing, Subnetting
3. NAT, IPv4, IPv6

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WHAT I UNDERSTOOD AND LEARNED TODAY

Day 3: TCP/UDP Protocols

Major Goal
Difference between TCP and UDP

What to learn today?

1. How UDP Works
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2. How TCP Works
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3. Gateways and Ports
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Bug bounty hunting: where every code flaw discovered is a victory for cybersecurity.

Day 4: HTTP and HTTPS

Major Goal
Learn how HTTP and HTTPS work

What to learn today?

1. History of HTTP/S
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2. Use Wireshark to capture packets

3. Follow TCP Stream on HTTP and HTTPS Traffic

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the realm of bits and bytes, the bug bounty hunter is the unsung hero

Day 5: SSH/Telnet/FTP

Major Goal
Learn how SSH works along with FTP and Telnet

What to learn today?

1. SSH

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2. FTP

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3. Telnet

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WHAT I UNDERSTOOD AND LEARNED TODAY

Code may be silent, but bugs speak volumes. Listen well, bounty hunter

Day 6: Virtualization

Major Goal
Install VMware or VirtualBox Successfully

What to learn today?

1. Install VMware

2. Install and Setup Virtual Box

3. What is Virtualization and how it works

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WHAT I UNDERSTOOD AND LEARNED TODAY

Bug bounty hunting is a relentless pursuit of perfection in the face of digital imperfection.

Day 7: Kali Installation

Major Goal
Download Kali VM Version and Install it

What to learn today?

1. Installation of Kali Linux

2. Configuration of Kali in VMware/VirtualBox

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In the labyrinth of code, the bug bounty hunter is the guide to a safer tomorrow

Day 8: Basic Commands

What to learn today?

1. cd, ls, mkdir, rmdir, touch, rm, rm -rf
2. sudo, cp, mv, nano, vim, ps, kill, systemctl
3. apt-update, apt-upgrade, grep, less, more

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WHAT I UNDERSTOOD AND LEARNED TODAY

Finding bugs is an art, turning them into bounties is a skill.

Day 9: Information Gathering

What to learn today?

1. Nmap- port scanner tool

2. recon-ng, maltego, OSINT Framework

3. amass, nuclei setup, google dorks

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the dance of algorithms, the bug bounty hunter leads with precision and finesse.

Day 10: Web Based Gathering

Major Goal
Learn to use tools to hunt bugs

What to learn today?

1. sublister, subfinder
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2. gobuster, gospider, dirb, dirbuster
3. httpx, virustotal, shodan
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The bug bounty hunter: a digital Sherlock in pursuit of vulnerabilities.

Day 11: Scanning the System

Major Goal
Try a lab from TRYHACKME

What to learn today?

1. Pick a lab from TryHackMe with these specifications:
   FREE, CTF TYPE, EASY
   Complete the lab. You can use walkthroughs

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WHAT I UNDERSTOOD AND LEARNED TODAY

Every bug bounty hunter is a guardian of the virtual realm, protecting it one vulnerability at a time

Day 12: Google Dorks

Major Goal
Learn to use tools to hunt bugs

What to learn today?

1. Google Hacking Database
2. ExploitDB, inurl, intext, index of
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Hunting bugs is not just about finding flaws; it's about creating a more resilient digital ecosystem.

Day 13: Intro to Web App Testing

Major Goal
Visit BugCrowd, Hackerone and explore

What to learn today?

1. Visit BugCrowd, Hackerone
2. Visit Hacktivity and check
3. Explore the reporting process

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WHAT I UNDERSTOOD AND LEARNED TODAY

Bug bounty hunting is a testament to the power of persistence and the pursuit of digital excellence

Day 14: Burp Suite

What to learn today?

1. Download BurpSuite on Windows/Kali
2. Learn how to use Burp Configure certificate
3. Intercept the traffic Repeater and Intruder

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WHAT I UNDERSTOOD AND LEARNED TODAY

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In the world of bits and bytes, bug bounty hunters are the architects of a secure future.

Day 15: Create a Login Page

Major Goal
Create a PHP-SQL-HTML Based Login Page

What to learn today?

1. Download XAMPP and configure
2. Create HTML Login form and connect with SQL
3. Use PHP as the backend and make it work

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WHAT I UNDERSTOOD AND LEARNED TODAY

The bug bounty hunter's canvas is code, and their brush is a keen eye for vulnerabilities

Day 16: SQL Injection Pt 1

Major Goal
Learn Login Based SQL Injections

What to learn today?

1. Learn login based SQL Injection and apply on your own application that you created previous day and try to fix the bug.

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WHAT I UNDERSTOOD AND LEARNED TODAY

Bug bounty hunting is not just a job; it's a commitment to the security of the digital frontier

Day 17: SQL Injection Pt 2

Major Goal
Learn Union Based and Blind SQL Injections

What to learn today?

1. Learn Union based SQL Injections, hack the databases on portswigger labs, then go for the blind SQL Injections

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the binary wilderness, bug bounty hunters blaze trails of security.

Day 18: XSS Part 1

Major Goal
Learn XSS Bugs

What to learn today?

1. Learn how JavaScript works and how XSS can exploit the JS Functioning. Learn types of XSS

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WHAT I UNDERSTOOD AND LEARNED TODAY

To find the invisible, one must see beyond the visible. Bug bounty hunting is the art of perception

Day 19: XSS Part 2

Major Goal
Bypass XSS Protection and hack like a pro

What to learn today?

1. Learn to bypass XSS Filters, encodings, black/whitelisted payloads, CSP

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WHAT I UNDERSTOOD AND LEARNED TODAY

Bug bounty hunters: rewriting the code of security, one vulnerability at a time.

Day 20: CSRF and Token Bypass

Major Goal
Learn what is CSRF and how to bypass tokens

What to learn today?

1. CSRF: How does it work?
   How to exploit CSRF
   How to create CSRF POC
   How to bypass token
   related bugs

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the quest for digital harmony, bug bounty hunters are the troubadours of cybersecurity.

Day 21: SSRF BUGS

Major Goal
Learn what is SSRF and how to bypass security

What to learn today?

1. Learn how SSRF Bugs work and how to get a good bounty out of it. Read SSRF Writeups

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The bug bounty hunter's toolkit: curiosity, tenacity, and a relentless pursuit of excellence.

Day 22: IDOR BUGS

Major Goal
Understand what is IDOR and bypass OTPs

What to learn today?

1. Learn how IDOR works and how it is used to bypass OTP, passwords, do malicious stuff

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WHAT I UNDERSTOOD AND LEARNED TODAY

Code is poetry, but even poems have flaws. Bug bounty hunters are the editors of the digital verse.

Day 23: IDOR AUTOMATION

What to learn today?

1. Learn to use Autorize
   Plugin and configure it
   with your BurpSuite
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In the realm of zeroes and ones, bug bounty hunters are the guardians of binary integrity

Day 24: BROKEN SESSIONS

Major Goal
Understand how Cookies work

What to learn today?

1. Learn cookies and how they work, cookie stealing attacks, learn about broken session bugs

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WHAT I UNDERSTOOD AND LEARNED TODAY

Every bug discovered is a victory for the vigilant, a step closer to a flawless digital existence.

Day 25: BUSINESS LOGIC

Major Goal
Hunt Live and do a parameter tampering

What to learn today?

1. Learn how business logic bug works, how parameter tampering works and perform a live tampering on a VDP.

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WHAT I UNDERSTOOD AND LEARNED TODAY

Bug bounty hunting: where innovation meets protection, and vulnerabilities meet their match.

Day 26: OTP BYPASS

Major Goal
Learn Response Manipulation

What to learn today?

1. Learn how to intercept responses in BurpSuite and then try to bypass the OTP by intercepting invalid response and replcaing with valid one

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WHAT I UNDERSTOOD AND LEARNED TODAY

The bug bounty hunter's journey is marked by the footsteps of progress in the world of cybersecurity

Day 27: OAUTH 2.0

Major Goal
Learn OAUTH 2.0 bugs

What to learn today?

1. Learn how OAUTH 2.0 works and how you can find bugs in the OAUTH Functionality

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WHAT I UNDERSTOOD AND LEARNED TODAY

In the symphony of digital architecture, bug bounty hunters compose notes of security.

Day 28: Directory Traversels

Major Goal
Learn how to Traverse a directory

What to learn today?

1. Do Directory Traversel labs on portswigger and learn how to find hidden information

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WHAT I UNDERSTOOD AND LEARNED TODAY

The codebreaker's oath: to uncover, to report, to secure.
Bug bounty hunting is a noble pursuit.

Day 29: API TESTING

What to learn today?

1. Use ffuf and learn how fuzzing works. Learn to fuzz an API and find sensitive information like Secrets and API KEYS

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In the digital chessboard, bug bounty hunters are the masters of strategic security moves.

Day 30: INFO DISCLOSURE

Major Goal
Learn to Fuzz and use fuzzing tools

What to learn today?

1. Learn Github and Shodan dorks to find hidden credentials for important documents of a VDP and report to get bounty

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The bug bounty hunter's mantra: find, fix, fortify. Repeat.