

Daily Diary – Cybersecurity Training & Internship

Name: Nikhil Rana

University: GNDEC

Course: Cybersecurity Training and Internship

Duration: 6 Months (01 July 2025 – 30 December 2025)

Day 1

Date: 01 July 2025

Topic: Networking Fundamentals

Tools Used: Windows OS, Linux OS, Command Prompt, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 2

Date: 02 July 2025

Topic: IP Addressing and Subnetting

Tools Used: Kali Linux, Terminal, ipconfig, ifconfig, ip addr, Subnet Calculator

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 3

Date: 03 July 2025

Topic: OSI & TCP/IP Models

Tools Used: Presentation Slides, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 4

Date: 04 July 2025

Topic: DNS, DHCP and Protocols

Tools Used: Kali Linux, nslookup, dig, traceroute

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 5

Date: 05 July 2025

Topic: Wireshark Packet Analysis

Tools Used: Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 6

Date: 07 July 2025

Topic: Kali Linux Installation & Setup

Tools Used: VirtualBox, Kali Linux ISO

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 7

Date: 08 July 2025

Topic: Linux Commands Practical

Tools Used: Kali Linux Terminal

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 8

Date: 09 July 2025

Topic: Ethical Hacking Concepts

Tools Used: Documentation, Case Studies

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 9

Date: 10 July 2025

Topic: Footprinting & Reconnaissance

Tools Used: Google Dorks, Netcraft, Wappalyzer

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 10

Date: 11 July 2025

Topic: Network Scanning using Nmap

Tools Used: Nmap, Zenmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 11

Date: 12 July 2025

Topic: Enumeration Techniques

Tools Used: Nmap, Enum4linux

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 12

Date: 14 July 2025

Topic: Vulnerability Assessment

Tools Used: Nmap, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 13

Date: 15 July 2025

Topic: System Hacking

Tools Used: Metasploit Framework, Netcat

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 14

Date: 16 July 2025

Topic: Web Application Attacks

Tools Used: Burp Suite, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 15

Date: 17 July 2025

Topic: SQL Injection

Tools Used: Burp Suite, SQLmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 16

Date: 18 July 2025

Topic: XSS and CSRF

Tools Used: Burp Suite

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 17

Date: 19 July 2025

Topic: Sniffing & Spoofing

Tools Used: Wireshark, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 18

Date: 21 July 2025

Topic: Session Hijacking

Tools Used: Burp Suite, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 19

Date: 22 July 2025

Topic: Python for Pentesting

Tools Used: Python3, VS Code

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 20

Date: 23 July 2025

Topic: Shell Scripting

Tools Used: Bash Shell, Nano Editor

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 21

Date: 24 July 2025

Topic: Social Engineering

Tools Used: SET Toolkit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 22

Date: 25 July 2025

Topic: DoS & DDoS Attacks

Tools Used: hping3, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 23

Date: 26 July 2025

Topic: Wireless Security

Tools Used: Aircrack-ng, Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 24

Date: 28 July 2025

Topic: Mobile Security

Tools Used: Android Emulator, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 25

Date: 29 July 2025

Topic: Android Pentesting

Tools Used: ADB, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 26

Date: 30 July 2025

Topic: Cryptography

Tools Used: OpenSSL, Hashing Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 27

Date: 31 July 2025

Topic: Steganography

Tools Used: Steghide

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 28

Date: 01 August 2025

Topic: Malware Analysis

Tools Used: VirusTotal, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 29

Date: 02 August 2025

Topic: Digital Forensics

Tools Used: Autopsy, FTK Imager

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 30

Date: 04 August 2025

Topic: Dark Web & Anonymity

Tools Used: Tor Browser, Proxychains

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 31

Date: 05 August 2025

Topic: Firewall & WAF

Tools Used: Windows Firewall, iptables

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 32

Date: 06 August 2025

Topic: Career Guidance

Tools Used: LinkedIn, Resume Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 33

Date: 07 August 2025

Topic: Networking Fundamentals

Tools Used: Windows OS, Linux OS, Command Prompt, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 34

Date: 08 August 2025

Topic: IP Addressing and Subnetting

Tools Used: Kali Linux, Terminal, ipconfig, ifconfig, ip addr, Subnet Calculator

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 35

Date: 09 August 2025

Topic: OSI & TCP/IP Models

Tools Used: Presentation Slides, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 36

Date: 11 August 2025

Topic: DNS, DHCP and Protocols

Tools Used: Kali Linux, nslookup, dig, traceroute

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 37

Date: 12 August 2025

Topic: Wireshark Packet Analysis

Tools Used: Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 38

Date: 13 August 2025

Topic: Kali Linux Installation & Setup

Tools Used: VirtualBox, Kali Linux ISO

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 39

Date: 14 August 2025

Topic: Linux Commands Practical

Tools Used: Kali Linux Terminal

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 40

Date: 15 August 2025

Topic: Ethical Hacking Concepts

Tools Used: Documentation, Case Studies

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 41

Date: 16 August 2025

Topic: Footprinting & Reconnaissance

Tools Used: Google Dorks, Netcraft, Wappalyzer

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 42

Date: 18 August 2025

Topic: Network Scanning using Nmap

Tools Used: Nmap, Zenmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 43

Date: 19 August 2025

Topic: Enumeration Techniques

Tools Used: Nmap, Enum4linux

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 44

Date: 20 August 2025

Topic: Vulnerability Assessment

Tools Used: Nmap, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 45

Date: 21 August 2025

Topic: System Hacking

Tools Used: Metasploit Framework, Netcat

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 46

Date: 22 August 2025

Topic: Web Application Attacks

Tools Used: Burp Suite, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 47

Date: 23 August 2025

Topic: SQL Injection

Tools Used: Burp Suite, SQLmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 48

Date: 25 August 2025

Topic: XSS and CSRF

Tools Used: Burp Suite

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 49

Date: 26 August 2025

Topic: Sniffing & Spoofing

Tools Used: Wireshark, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 50

Date: 27 August 2025

Topic: Session Hijacking

Tools Used: Burp Suite, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 51

Date: 28 August 2025

Topic: Python for Pentesting

Tools Used: Python3, VS Code

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 52

Date: 29 August 2025

Topic: Shell Scripting

Tools Used: Bash Shell, Nano Editor

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 53

Date: 30 August 2025

Topic: Social Engineering

Tools Used: SET Toolkit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 54

Date: 01 September 2025

Topic: DoS & DDoS Attacks

Tools Used: hping3, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 55

Date: 02 September 2025

Topic: Wireless Security

Tools Used: Aircrack-ng, Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 56

Date: 03 September 2025

Topic: Mobile Security

Tools Used: Android Emulator, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 57

Date: 04 September 2025

Topic: Android Pentesting

Tools Used: ADB, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 58

Date: 05 September 2025

Topic: Cryptography

Tools Used: OpenSSL, Hashing Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 59

Date: 06 September 2025

Topic: Steganography

Tools Used: Steghide

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 60

Date: 08 September 2025

Topic: Malware Analysis

Tools Used: VirusTotal, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 61

Date: 09 September 2025

Topic: Digital Forensics

Tools Used: Autopsy, FTK Imager

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 62

Date: 10 September 2025

Topic: Dark Web & Anonymity

Tools Used: Tor Browser, Proxychains

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 63

Date: 11 September 2025

Topic: Firewall & WAF

Tools Used: Windows Firewall, iptables

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 64

Date: 12 September 2025

Topic: Career Guidance

Tools Used: LinkedIn, Resume Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 65

Date: 13 September 2025

Topic: Networking Fundamentals

Tools Used: Windows OS, Linux OS, Command Prompt, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 66

Date: 15 September 2025

Topic: IP Addressing and Subnetting

Tools Used: Kali Linux, Terminal, ipconfig, ifconfig, ip addr, Subnet Calculator

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 67

Date: 16 September 2025

Topic: OSI & TCP/IP Models

Tools Used: Presentation Slides, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 68

Date: 17 September 2025

Topic: DNS, DHCP and Protocols

Tools Used: Kali Linux, nslookup, dig, traceroute

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 69

Date: 18 September 2025

Topic: Wireshark Packet Analysis

Tools Used: Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 70

Date: 19 September 2025

Topic: Kali Linux Installation & Setup

Tools Used: VirtualBox, Kali Linux ISO

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 71

Date: 20 September 2025

Topic: Linux Commands Practical

Tools Used: Kali Linux Terminal

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 72

Date: 22 September 2025

Topic: Ethical Hacking Concepts

Tools Used: Documentation, Case Studies

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 73

Date: 23 September 2025

Topic: Footprinting & Reconnaissance

Tools Used: Google Dorks, Netcraft, Wappalyzer

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 74

Date: 24 September 2025

Topic: Network Scanning using Nmap

Tools Used: Nmap, Zenmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 75

Date: 25 September 2025

Topic: Enumeration Techniques

Tools Used: Nmap, Enum4linux

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 76

Date: 26 September 2025

Topic: Vulnerability Assessment

Tools Used: Nmap, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 77

Date: 27 September 2025

Topic: System Hacking

Tools Used: Metasploit Framework, Netcat

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 78

Date: 29 September 2025

Topic: Web Application Attacks

Tools Used: Burp Suite, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 79

Date: 30 September 2025

Topic: SQL Injection

Tools Used: Burp Suite, SQLmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 80

Date: 01 October 2025

Topic: XSS and CSRF

Tools Used: Burp Suite

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 81

Date: 02 October 2025

Topic: Sniffing & Spoofing

Tools Used: Wireshark, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 82

Date: 03 October 2025

Topic: Session Hijacking

Tools Used: Burp Suite, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 83

Date: 04 October 2025

Topic: Python for Pentesting

Tools Used: Python3, VS Code

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 84

Date: 06 October 2025

Topic: Shell Scripting

Tools Used: Bash Shell, Nano Editor

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 85

Date: 07 October 2025

Topic: Social Engineering

Tools Used: SET Toolkit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 86

Date: 08 October 2025

Topic: DoS & DDoS Attacks

Tools Used: hping3, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 87

Date: 09 October 2025

Topic: Wireless Security

Tools Used: Aircrack-ng, Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 88

Date: 10 October 2025

Topic: Mobile Security

Tools Used: Android Emulator, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 89

Date: 11 October 2025

Topic: Android Pentesting

Tools Used: ADB, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 90

Date: 13 October 2025

Topic: Cryptography

Tools Used: OpenSSL, Hashing Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 91

Date: 14 October 2025

Topic: Steganography

Tools Used: Steghide

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 92

Date: 15 October 2025

Topic: Malware Analysis

Tools Used: VirusTotal, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 93

Date: 16 October 2025

Topic: Digital Forensics

Tools Used: Autopsy, FTK Imager

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 94

Date: 17 October 2025

Topic: Dark Web & Anonymity

Tools Used: Tor Browser, Proxychains

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 95

Date: 18 October 2025

Topic: Firewall & WAF

Tools Used: Windows Firewall, iptables

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 96

Date: 20 October 2025

Topic: Career Guidance

Tools Used: LinkedIn, Resume Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 97

Date: 21 October 2025

Topic: Networking Fundamentals

Tools Used: Windows OS, Linux OS, Command Prompt, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 98

Date: 22 October 2025

Topic: IP Addressing and Subnetting

Tools Used: Kali Linux, Terminal, ipconfig, ifconfig, ip addr, Subnet Calculator

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 99

Date: 23 October 2025

Topic: OSI & TCP/IP Models

Tools Used: Presentation Slides, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 100

Date: 24 October 2025

Topic: DNS, DHCP and Protocols

Tools Used: Kali Linux, nslookup, dig, traceroute

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 101

Date: 25 October 2025

Topic: Wireshark Packet Analysis

Tools Used: Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 102

Date: 27 October 2025

Topic: Kali Linux Installation & Setup

Tools Used: VirtualBox, Kali Linux ISO

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 103

Date: 28 October 2025

Topic: Linux Commands Practical

Tools Used: Kali Linux Terminal

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 104

Date: 29 October 2025

Topic: Ethical Hacking Concepts

Tools Used: Documentation, Case Studies

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 105

Date: 30 October 2025

Topic: Footprinting & Reconnaissance

Tools Used: Google Dorks, Netcraft, Wappalyzer

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 106

Date: 31 October 2025

Topic: Network Scanning using Nmap

Tools Used: Nmap, Zenmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 107

Date: 01 November 2025

Topic: Enumeration Techniques

Tools Used: Nmap, Enum4linux

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 108

Date: 03 November 2025

Topic: Vulnerability Assessment

Tools Used: Nmap, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 109

Date: 04 November 2025

Topic: System Hacking

Tools Used: Metasploit Framework, Netcat

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 110

Date: 05 November 2025

Topic: Web Application Attacks

Tools Used: Burp Suite, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 111

Date: 06 November 2025

Topic: SQL Injection

Tools Used: Burp Suite, SQLmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 112

Date: 07 November 2025

Topic: XSS and CSRF

Tools Used: Burp Suite

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 113

Date: 08 November 2025

Topic: Sniffing & Spoofing

Tools Used: Wireshark, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 114

Date: 10 November 2025

Topic: Session Hijacking

Tools Used: Burp Suite, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 115

Date: 11 November 2025

Topic: Python for Pentesting

Tools Used: Python3, VS Code

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 116

Date: 12 November 2025

Topic: Shell Scripting

Tools Used: Bash Shell, Nano Editor

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 117

Date: 13 November 2025

Topic: Social Engineering

Tools Used: SET Toolkit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 118

Date: 14 November 2025

Topic: DoS & DDoS Attacks

Tools Used: hping3, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 119

Date: 15 November 2025

Topic: Wireless Security

Tools Used: Aircrack-ng, Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 120

Date: 17 November 2025

Topic: Mobile Security

Tools Used: Android Emulator, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 121

Date: 18 November 2025

Topic: Android Pentesting

Tools Used: ADB, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 122

Date: 19 November 2025

Topic: Cryptography

Tools Used: OpenSSL, Hashing Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 123

Date: 20 November 2025

Topic: Steganography

Tools Used: Steghide

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 124

Date: 21 November 2025

Topic: Malware Analysis

Tools Used: VirusTotal, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 125

Date: 22 November 2025

Topic: Digital Forensics

Tools Used: Autopsy, FTK Imager

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 126

Date: 24 November 2025

Topic: Dark Web & Anonymity

Tools Used: Tor Browser, Proxychains

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 127

Date: 25 November 2025

Topic: Firewall & WAF

Tools Used: Windows Firewall, iptables

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 128

Date: 26 November 2025

Topic: Career Guidance

Tools Used: LinkedIn, Resume Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 129

Date: 27 November 2025

Topic: Networking Fundamentals

Tools Used: Windows OS, Linux OS, Command Prompt, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 130

Date: 28 November 2025

Topic: IP Addressing and Subnetting

Tools Used: Kali Linux, Terminal, ipconfig, ifconfig, ip addr, Subnet Calculator

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 131

Date: 29 November 2025

Topic: OSI & TCP/IP Models

Tools Used: Presentation Slides, Network Diagrams

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 132

Date: 01 December 2025

Topic: DNS, DHCP and Protocols

Tools Used: Kali Linux, nslookup, dig, traceroute

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 133

Date: 02 December 2025

Topic: Wireshark Packet Analysis

Tools Used: Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 134

Date: 03 December 2025

Topic: Kali Linux Installation & Setup

Tools Used: VirtualBox, Kali Linux ISO

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 135

Date: 04 December 2025

Topic: Linux Commands Practical

Tools Used: Kali Linux Terminal

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 136

Date: 05 December 2025

Topic: Ethical Hacking Concepts

Tools Used: Documentation, Case Studies

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 137

Date: 06 December 2025

Topic: Footprinting & Reconnaissance

Tools Used: Google Dorks, Netcraft, Wappalyzer

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 138

Date: 08 December 2025

Topic: Network Scanning using Nmap

Tools Used: Nmap, Zenmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 139

Date: 09 December 2025

Topic: Enumeration Techniques

Tools Used: Nmap, Enum4linux

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 140

Date: 10 December 2025

Topic: Vulnerability Assessment

Tools Used: Nmap, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 141

Date: 11 December 2025

Topic: System Hacking

Tools Used: Metasploit Framework, Netcat

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 142

Date: 12 December 2025

Topic: Web Application Attacks

Tools Used: Burp Suite, OWASP ZAP

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 143

Date: 13 December 2025

Topic: SQL Injection

Tools Used: Burp Suite, SQLmap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 144

Date: 15 December 2025

Topic: XSS and CSRF

Tools Used: Burp Suite

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 145

Date: 16 December 2025

Topic: Sniffing & Spoofing

Tools Used: Wireshark, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 146

Date: 17 December 2025

Topic: Session Hijacking

Tools Used: Burp Suite, Ettercap

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 147

Date: 18 December 2025

Topic: Python for Pentesting

Tools Used: Python3, VS Code

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 148

Date: 19 December 2025

Topic: Shell Scripting

Tools Used: Bash Shell, Nano Editor

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 149

Date: 20 December 2025

Topic: Social Engineering

Tools Used: SET Toolkit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 150

Date: 22 December 2025

Topic: DoS & DDoS Attacks

Tools Used: hping3, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 151

Date: 23 December 2025

Topic: Wireless Security

Tools Used: Aircrack-ng, Wireshark

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 152

Date: 24 December 2025

Topic: Mobile Security

Tools Used: Android Emulator, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 153

Date: 25 December 2025

Topic: Android Pentesting

Tools Used: ADB, MobSF

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 154

Date: 26 December 2025

Topic: Cryptography

Tools Used: OpenSSL, Hashing Tools

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 155

Date: 27 December 2025

Topic: Steganography

Tools Used: Steghide

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 156

Date: 29 December 2025

Topic: Malware Analysis

Tools Used: VirusTotal, Metasploit

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.

Day 157

Date: 30 December 2025

Topic: Digital Forensics

Tools Used: Autopsy, FTK Imager

Work Description: Studied the topic in detail and performed relevant practical tasks as per cybersecurity syllabus in a controlled lab environment.