

Hands on Training

Self-Learning & Practical Experience

- Gained hands-on experience in **Linux system administration**, including **user management, permissions, and security**.
- Studied **CompTIA Security+** and **Linux+** topics, including **network security, encryption, and threat management**.
- Practiced penetration testing fundamentals using **Kali Linux, Nmap, Metasploit, and Burp Suite** in lab environments.
- Explored **networking concepts** such as **IP addressing, subnetting, and firewall configuration** using **UFW** and **iptables**.

Projects

Cybersecurity Threat Detection & Response/ *Snort, Wireshark, Splunk, Python*

October 2024 - December 2024

- Developed a **Network Security Monitoring (NSM) System** to detect and respond to security threats in real time.
- Configured **Snort** as **Intrusion Detection System (IDS)** to identify common cyber threats like DDoS, SQL Injection, and bruteforce attack.
- Analyzed network traffic with **Wireshark** and integrated **Splunk** for Security Information and Event Management (SIEM).
- Designed **custom Python scripts** to automate log analysis, incident reporting, and anomaly detection.
- Mapped findings to **CompTIA Security+ concepts** like **Threat Intelligence, Risk Management, and Security Operations**.

Ubuntu Security Hardening & Automation / *Bash, Ansible, UFW, Auditd*

March 2024 - MAY 2024

- Developed an **automated Ubuntu security hardening script** using **Bash** and **Ansible**, following **CIS Benchmarks** and **CompTIA Linux+**
- Configured **UFW (Uncomplicated Firewall)** to restrict unauthorized access and enforce secure firewall rules.
- Implemented **SSH hardening** by disabling root login, enforcing key-based authentication, and restricting user access.
- Set up **Auditd** and **Logwatch** for real-time monitoring of login attempts, privilege escalations, and system modifications.
- Used **Lynis** and **AppArmor** to conduct security audits, identify vulnerabilities, and enforce application security policies.

Certificates

C++ programming and DSA

July 2024

CSE Pathshala

CompTIA Network+

December 2024

Pearson

Technical Skills

Languages Python, Bash, C++

Technologies/Frameworks: Wireshark, Metasploit, Nmap, Snort, Burp Suite, Kali Linux, Recon-NG

Skills: Network Security, Penetration Testing, Vulnerability Assessment, Security Information and Event Management (SIEM), Incident Response, Digital Forensics, Secure Cloud Architecture, Ethical Hacking

Education

Lovely Professional University Punjab

Jalandhar, Punjab

Bachelors in Computer Application — CGPA: 7.82

2022 – 2024

D.A.V Public School

Patna, Bihar

12th with Science — Percentage: 75.2%

2021 – 2022

D.A.V Public School

Patna, Bihar

10th with Science — Percentage: 87.6%

2019 – 2020

Co-Curricular

- **Hackathon Host** – Organized and managed event logistics in college.
- **Marketing Experience** – Worked on outreach and promotions.
- **Hindustani Classical Music** – Junior Diploma in Hindustani Classical Vocal.
- **NGO Internship** – Assisted in outreach and awareness campaigns in Zakia Hamdard Foundation.