Kamlesh Kumar

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Aspiring Network & Security Engineer

Aspiring Network Engineer with a strong foundation in networking concepts, including routing, switching, subnetting, and network performance monitoring. Proficient in Python and Linux, with exposure to Wireshark, Nmap, Metasploit, and basic routing/switching. Currently preparing for the CompTIA Network+ and Security+ certifications, with a dual focus on optimizing enterprise networks and securing network infrastructure from evolving threats.

Education

Master of Computer Applications (MCA) *(Ongoing)*

Pandit Ravi Shankar Shukla University, Raipur — CGPA: 7.5 (Expected July 2025)

Bachelor of Science (B.Sc.) in Computer Science

Shaheed Nand Kumar Patel University , Raigarh — CGPA: 7.35 (2021–2023)

Higher Secondary (10+2) – 331/500 (2020)

High School (10th) – 85% (2017)

Core Technical Skills

Networking Tools & Protocols: Wireshark, Nmap, TCP/IP, DHCP, DNS, ARP, VLANs

Cybersecurity: Metasploit, OSINT, TryHackMe labs, password cracking basics, Veracrypt

Operating Systems: Linux (Kali, Debian), Windows

Programming & Scripting: Python (automation & network tools), Bash

Virtualization & Labs: VirtualBox, VMware, TryHackMe, picoCTF

Certifications: NPTEL Certified | Preparing for CompTIA Network+ and Security+

Projects & Tools Built

Enterprise Network Design and Security Audit - CCNA exam prep project for hands-on experience in network design, security, routing, switching, and IP addressing. ***GitHub***

IP Scanner Tool – CLI tool for converting domain to IP with WHOIS and port scan capabilities. **GitHub**

Wireshark Analysis – Captured and analyzed live packets to understand HTTP/DNS/ARP traffic flow.

Directory Brute Force Tool – Simulated directory discovery in pentest scenarios using Python + wordlists.

Password Strength Checker – Python-based tool to validate and rank password strength. **GitHub**

Experience (Internships)

Vault-Tec Security – Cybersecurity Intern *(Sep–Nov 2024)* ***Certificate***

- Built password generation & validation tools.
- Explored IP reconnaissance and info-gathering tools.

ShadowFox Cybersecurity – Intern *(Oct 2024)* ***certificate***

- Trained on Wireshark, Metasploit, Veracrypt, Aircrack-ng.
- Performed live recon in lab scenarios.

Acmegrade – Cybersecurity Intern *(Jul–Sep 2024)* ***Certificate***

- OSINT gathering, social engineering simulation, and protocol analysis.

Certifications

CISCO **:** ***Networking Basics***

Amazon : ***AWS Educate Getting Started with Networking***

NPTEL: Ethical Hacking ***Certificate***

NPTEL: Practical Cybersecurity ***Certificate***

CompTIA Network+ – *Preparation in progress*

CompTIA Security+ – *Preparation in progress*

Cyber Labs & Learning Platforms

TryHackMe Profile – Completed beginner to intermediate rooms (King of the Hill, Passive Recon)

picoCTF – Practicing reverse engineering and cryptography challenges