

Saurab Das

Sitapur, Haridwar, Uttarakhand, India

Open to Relocation

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Personal Website

Github

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PROFESSIONAL SUMMARY

- Final-year B.Tech (ECE) student with hands-on experience in Linux administration, network security, and Python automation.
- Skilled in developing automation scripts using Python and experienced in protocol compliance testing during internship at NCCS.
- Passionate about securing systems and eager to contribute to IT security, or junior penetration testing roles.

PROFESSIONAL SKILLS

Operating Systems and Servers: Linux (Kali, Ubuntu), Windows (CMD, PowerShell), Web Servers (Apache, Nginx)

Core Knowledge: Linux, Networking (TCP/IP, DNS, DNSSEC), Security Fundamentals, Router Web Servers (Embedded HTTP/HTTPS for configuration).

Tools & Languages: Python, Shell Scripting, Nmap, Testssl, Burp Suite, Wireshark, OWASP ZAP, GitHub, VirtualBox, AI/ML Basics (Regression, Classification, NLP), AI-assisted Development (ChatGPT, LLMs).

EXPERIENCE

- **National Centre for Communication Security, Bengaluru, DoT, Govt. of India** July 2025 – Sept 2025
Intern – Network Security, SAS Projects (On-Site)(View Certificate)
 - Collaborated on SAS-based network security projects and developed Python scripts that reduced manual protocol compliance testing time by approx 55 percent.
 - Gained exposure to real-world project environments and government cybersecurity practices.
- **National Internet Exchange of India(NIXI), New Delhi, MeitY, Govt. of India** Oct 2025 – Dec 2025
Internet Governance Intern (On-Site)
 - Getting familiar with the core concepts of Intern Governance and DNS.
 - Researching on the validation problems of DNSSEC adoption by the DNS Resolvers in India.

PROJECTS

- **Network Traffic Analyzer** GitHub Repo
Python, Scapy, AbuseIPDB
 - Captured and analyzed 900+ packets in real-time using Scapy.
 - Automated malicious IP detection via AbuseIPDB API, improving detection accuracy by 30 percent.

EDUCATION

- **Gurukula Kangri (Deemed to be University), Haridwar** Nov 2022 – July 2026 (Expected)
B.Tech in Electronics and Communication Engineering CGPA: 7.16 / 10 (6th Sem)

EXTRACURRICULAR ACTIVITIES

- **Session Speaker** at Gurukula Kangri University July 2025
 - Organized an awareness session on Internet and Cybersecurity at my Institute with 50+ students.
 - Discussed about different Internet topics like DNS, IPv6 and also their cybersecurity perspective.
- **Tech Quiz Coordinator** Jnanagni'25 – Cultural Fest, Gurukula Kangri University July 2025
 - Organized and conducted a quiz with 50+ participants.
 - Managed question creation, event coordination, and scheduling.
- **Member(Volunteer)** Internet Society (ISOC) – Bengaluru Chapter Nov 2025 – Present
 - As an active member of ISOC Bengaluru Chapter, I am actively connecting with aspiring people.
 - Engaged in community initiatives on cybersecurity awareness, DNSSEC deployment and Internet development.