

MD SAHIL ALAM

Aspiring Cybersecurity Professional | B.Tech CSE Student

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OBJECTIVE

Cybersecurity-focused CSE undergraduate seeking an internship to apply hands-on skills in penetration testing, network security, and Linux-based security tools, while contributing to real-world security operations and continuing to build practical, industry-relevant experience.

EDUCATION

B.Tech, Computer Science & Engineering (Lateral Entry) — Jamia Hamdard University, New Delhi 2024 – 2027 (7th Semester)

Diploma, Computer Engineering — Amity University, Greater Noida CGPA: 7.42 | 2024

12th Standard (Commerce) — Sarvodaya Bal Vidyalaya, Noor Nagar, Okhla 58% | 2021

10th Standard — Sarvodaya Bal Vidyalaya, Noor Nagar, Okhla 62% | 2019

TECHNICAL SKILLS

Operating Systems: Windows, macOS, Linux (multi-distro experience)

Linux Distributions Used: Kali Linux, Parrot OS, BackBox OS, Zorin OS, Linux Mint, Ubuntu

Security Tools: Metasploit, Nmap, Burp Suite, Aircrack-ng, Wireshark

Networking: IP Addressing, Subnetting (CIDR/VLSM), Network Topology, Cisco Packet Tracer

Programming & Scripting: Python, C, C++

Concepts: Identity & Access Management (IAM), Penetration Testing fundamentals, Digital Forensics basics

PROJECTS

EncoPDF-Unlocker v1.0 | Python, Multiprocessing 2025

- Built a password recovery tool for locked PDFs implementing brute-force, dictionary-based, and India-specific ID pattern attack strategies.
- Designed a multiprocessing architecture to parallelize password attempts and significantly cut recovery time.
- Documented the tool as a formal academic project report covering methodology, architecture, and results.

Network Port & Vulnerability Scanner | Python, Nmap 2026

- Built a script to scan a local network for open ports and running services.
- Cross-referenced detected services against known vulnerability databases (CVE lists) to flag potential risks.

Password Strength & Breach Checker | Python, HaveIBeenPwned API 2026

- Built a tool that evaluates password strength based on length, entropy, and common patterns.
- Integrated with the HaveIBeenPwned API to check if a password has appeared in known data breaches.

Enco-Xaudio | Tauri, Rust, React, TypeScript 2025

- Developed a cross-platform desktop app to convert video files to audio, supporting 6 languages and a modern glassmorphism UI.
- Migrated the application core from Flutter/Dart to a Tauri v2 + Rust + React stack to resolve packaging issues and improve performance.

Cybersecurity Job Simulation — Tata Consultancy Services (Forage) | Security Analyst Simulation Jan 2024

- Completed a virtual job simulation focused on Identity and Access Management (IAM) and core cybersecurity practices.
- Prepared concise technical documentation and presentations explaining IAM concepts to a non-technical audience.

ADDITIONAL INTERESTS

- Building an in-progress plan for a village-focused ISP business, combining networking fundamentals with practical infrastructure design.
- Active in self-directed learning of subnetting, network design, and penetration testing beyond coursework.