

Faazil Mirza Shaikh

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Summary

Computer Science student specialising in Cybersecurity, IoT, and Blockchain Technology. Hands-on experience in ethical hacking, smart contract development, and secure application design. Proven leadership as NSS General Secretary and Joint Head across multiple college committees. Seeking to leverage technical expertise and problem-solving skills in a challenging internship or entry-level role.

Education

Bachelor of Engineering in Computer Science (Cybersecurity, IoT with Blockchain Technology)

M.H. Saboo Siddik College of Engineering

Mumbai Central, Maharashtra | Expected Year of Completion: 2027

Relevant Coursework: Cryptography and Network Security, Ethical Hacking and Digital Forensics, IoT Systems, Blockchain Technology, Web X.0

Experience

Finance & Accounting Intern - Zaad Finance & Law Consultants | Jun 2025 - Nov 2025

- Assisted a Chartered Accountant in managing client financial records, preparing documentation, and handling compliance-related administrative tasks.
- Coordinated society-level administration correspondence and assisted in drafting formal letters for regulatory submissions.

Assistant Medical Writer - S3 Global Solutions | Jun 2023 - Aug 2023

- Assisted in drafting and editing medical and technical documentation, ensuring accuracy, clarity, and compliance with industry writing standards.
- Conducted research and summarised clinical findings to support content development for healthcare-related publications.

Skills

Technical: Technical Writing, Python, Java, JavaScript, HTML/CSS, SQL, Solidity, Web3.js, Blockchain Development, Smart Contracts, IoT (MQTT, ESP32), Network Security, Penetration Testing, Wireshark, Metasploit, Cryptographic Algorithms (AES, RSA).

Tools: Visual Studio Code, Git/GitHub, Spyder IDE, IntelliJ IDEA, Android Studio, Linux Distributions.

Languages Spoken: English, Hindi, Urdu, Marathi, Arabic.

Soft Skills: Problem-Solving, Communication, Team Collaboration, Project Management.

Projects

1. CyberSecure App | Python, AES-256, Android Studio

- Built a cross-platform mobile app enabling AES-256 encryption and decryption of files of any format, ensuring end-to-end data privacy.
- Integrated secure key management and file integrity verification using SHA-256 hashing to prevent tampering.

2. Blockchain Voting System | Solidity, Ethereum (Sepolia Testnet), Web3.js, React

- Developed a decentralised voting dApp on Ethereum (Sepolia Testnet) using Solidity smart contracts, ensuring tamper-proof and transparent elections.
- Implemented smart contracts for voter authentication, role-based access control, and real-time vote tallying; integrated MetaMask wallet for secure user login.

3. Network Vulnerability Scanner | Python, Scapy, Nmap, Tkinter

- Built a Python-based network scanner using Scapy and Nmap to detect open ports, active hosts, and potential vulnerabilities on a local network.
- Mapped scan results against OWASP Top 10 attack vectors and generated automated vulnerability reports with risk severity ratings.
- Developed a lightweight GUI dashboard using Tkinter to visualise scan results in real time.

Certifications

- **Ethical Hacker** - Cisco Networking Academy (May 2025)
- **Introduction to Cybersecurity** - Cisco Networking Academy (May 2025)
- **Walmart Advanced Software Engineering Job Simulation** - Walmart USA (Jun 2025)
- **Python for Data Analysis: Pandas & NumPy** - Coursera Project Network (Apr 2025)
- **Leading with Impact: Team Dynamics, Strategy and Ethics** - Coursera (Mar 2025)
- **Build and Secure Networks in Google Cloud** - Google (Sep 2023)
- **Google Cloud Computing Fundamentals** - Google (Sep 2023)

Achievements

- **Smart India Hackathon 2025 (Team: VeloCity)** - Developed an AI + IoT based Smart Traffic Management System (PS-25050) with real-time signal adaptation using image processing; built on Python/Django, React, and MongoDB.
- **Smart India Hackathon 2025 (Team: Coastal Vision)** - Built GrainScan, an AI-powered beach sand grain size mapping system (PS-25037) using CNN, Flutter, OpenCV, and cloud-based geo-tagged image analysis.
- **Smart India Hackathon - NSS-to-Social-Venture Pathway** - Proposed a structured framework leveraging IoT, Blockchain, and SROI metrics to convert NSS volunteer projects into scalable social enterprises.
- **General Secretary, NSS** - M.H. Saboo Siddik College of Engineering; led community outreach programs, coordinated events with 100+ student volunteers.
- **Joint Head, Multiple College Technical Committees (IEEE, CSI, ISTE)** - Managed cross-functional student teams for college-level technical and cultural events.

Interests

- Football | History & World Affairs | Language Learning (Spanish, German - in progress)