Sparsh Majumdar

+91-8302040131 | sparshmajumdar04@gmail.com | linkedin.com/in/sparsh-majumdar | github.com/SparshMajumdar

PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in cybersecurity with hands-on experience in social engineering, penetration testing, and secure system development. Comfortable with tools such as Wireshark, Burp Suite, and Recon-ng. Passionate about ethical hacking, OSINT, and network security. Seeking to contribute to cybersecurity teams while continuously building real-world, impactful security solutions.

EDUCATION

VIT-AP University — Amravati, Andhra Pradesh
B.Tech. in Computer Science with Business Systems — *Aug 2022 – May 2026*

Global Public School — Kota, Rajasthan
12th Grade – 86% — *2022*

Global Public School — Kota, Rajasthan
10th Grade – 84% — *2020*

EXPERIENCE

Cybersecurity Analyst Intern – Technical Team — Be a Nerd Club, VIT-AP
2023
- Executed phishing simulations and social engineering campaigns for 100+ students to increase cybersecurity awareness.
- Performed Wi-Fi penetration testing on 3+ campus networks to identify and mitigate wireless vulnerabilities.
- Conducted 5+ workshops with tools like **Burp Suite**, **Wireshark**, and **Nmap**, engaging 70+ participants.

Team Lead – Smart Hospital System — Smart India Hackathon, VIT-AP
2023
- Led a team of 5 to build a secure RFID-based appointment system used in mock simulations for 50+ patients.
- Developed a real-time web app using **Next.js**, **Node.js**, and **MongoDB** with 3-tier architecture.
- Implemented role-based access control (RBAC) and authentication for improved data privacy.

Frontend Developer — Engineering Clinics, VIT-AP University
2023
- Developed an IoT-based electricity tracker used in demo labs to monitor 10+ appliances' power usage.
- Built a real-time dashboard with **React** and integrated **Firebase**, achieving 1-second sync latency.
- Completed MVP delivery 2 weeks ahead of schedule while maintaining 100% functionality coverage.

PROJECTS

Social Engineering Simulation Toolkit | *SET, OSINT, theHarvester, Recon-ng, Python* — 2023
- Simulated 25+ phishing and baiting scenarios using SET and OSINT tools to test organizational awareness.
- Automated reconnaissance and data gathering using **Selenium** and **Beautiful Soup**, reducing effort by 60%.
- Analyzed behavior of 40+ targets to identify risk patterns and strengthen awareness training.

Electro Buck – IoT Electricity Monitor | *Arduino, Next.js, Firebase* — 2024
- Built an end-to-end IoT system to monitor real-time power usage across appliances.
- Displayed live energy data using a Firebase backend and responsive React-based UI.
- Achieved 90%+ measurement accuracy through sensor calibration and test benchmarking.

TECHNICAL SKILLS

Programming: Python, C/C++, SQL (PostgreSQL), JavaScript, HTML/CSS, R
Frameworks: React, Next.js, Node.js, Flask
Security Tools: Wireshark, Burp Suite, Nmap, Metasploit, Maltego, theHarvester, Recon-ng, SET
SIEM/Dev Tools: Splunk, Git, VS Code, Kali Linux, Cisco Packet Tracer
Libraries: Pandas, NumPy, Selenium, Matplotlib, Beautiful Soup
Certifications: Cisco Networking Essentials, Oracle Professional Networking