Aarohan Shyam

aarohanshyam@gmail.com — +91 98992 24450 — GitHub — LinkedIn

PROFILE

Cyber Security enthusiast focused on web application security and vulnerability assessment. Developed Python-based security tooling aligned with OWASP Top 10 risks and implemented secure backend systems. Strong understanding of attack vectors, mitigation strategies, and networking fundamentals.

EDUCATION

SRM Institute of Science and Technology, Delhi NCR   2024–2028
B.Tech in Computer Science Engineering (Cyber Security)

TECHNICAL SKILLS

Programming: Python, C, C++

Cybersecurity: OWASP Top 10, Vulnerability Assessment, Secure Coding Practices

Networking: TCP/IP, HTTP/HTTPS, DNS Basics, Client–Server Architecture

Security Concepts: SQL Injection, Cross-Site Scripting (XSS), Authentication & Authorization Basics

Tools: Git, GitHub, Linux, Firebase

PROJECTS

Web Application Vulnerability Scanner   2024
Python

- Developed a Python-based scanner targeting OWASP Top 10 vulnerabilities.
- Implemented SQL Injection and XSS detection using structured pattern analysis.
- Automated parameter testing to simulate penetration testing workflows.
- Categorized vulnerabilities based on severity and impact.

EDUBUDDY – Academic Query Platform   2024
HTML, CSS, Firebase

- Built a full-stack academic query platform during a 48-hour hackathon.
- Integrated secure Firebase authentication and database handling.
- Applied structured input validation to reduce injection risks.

POSITIONS OF RESPONSIBILITY

Photography Lead – ISTE   Oct 2025–Jan 2026
Social Media Core Member – GeeksforGeeks Campus Body   September 2025–Present
Social Media Core Member – BitBucks FinTech Club   January 2026–Present

EXPERIENCE

Organizing Committee Member – SRM IST Campus Events   2025

- Contributed to planning and execution of major campus events including RUBAROO'25 and Shakti Utsav.

CERTIFICATIONS

Cybersecurity Fundamentals – Infosys Springboard (2025)
Game Development – WhiteHat Jr (2020)
App Development – WhiteHat Jr (2020)