

# Aarohan Shyam

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## PROFILE

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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

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

## EXPERIENCE

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**Organizing Committee Member – SRM IST Campus Events** 2025  
• Contributed to planning and execution of major campus events including RUBAROO'25 and Shakti Utsav.

## PROJECTS

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**Web Application Vulnerability Scanner** 2026  
*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

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**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

## TECHNICAL SKILLS

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**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

## **CERTIFICATIONS**

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Cybersecurity Fundamentals – Infosys Springboard (2025)

Game Development – WhiteHat Jr (2020)

App Development – WhiteHat Jr (2020)