

# ESHAN SINGH

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## PROFILE

Software Engineer with hands-on experience in full-stack development, cybersecurity, cloud computing, and IoT. Skilled in building secure APIs, automation tools, and hardware–software integrations. Strong problem-solver with experience in deploying production systems, vulnerability management, and delivering large-scale security training. Seeking roles in Software Engineering, Cybersecurity, or Cloud Engineering.

## PROFESSIONAL EXPERIENCE

### Cyber Security Engineer

09/2024 – 03/2025

*EGyanam Technology*

- Developed vulnerability-management tools middlewares, improving workflow efficiency by **30%**.
- Managed microservice deployment pipelines across environments, reducing deployment friction by **25%**.

### Software Engineer Intern

06/2024 – 08/2024

*K12 Techno Services Pvt. Ltd.*

Bengaluru

- Built automation tools for web scraping and data filtering, reducing manual data processing by **40%**.
- Developed experimental features including bulk messaging automation for workflows.
- Assisted with production deployments, improving stability and reducing integration issues.

### Software Engineer Intern

01/2024 – 03/2024

*Sangrah Innovations*

- Built dynamic APIs for billing and data management, increasing efficiency by **20%**.
- Participated in code reviews, debugging, and issue resolution to improve code quality and reliability.

## EDUCATION

### Bachelors of Computer Application (Cloud Security)

2024 – 2026

*Amity University*

## TECHNICAL SKILLS

- Python, JavaScript, Java, C,C++, Go, Bash
- Docker, Selenium, Playwright
- AWS, Azure, Oracle
- IOT, Raspberry Pi, Arduino
- Nessus, Tenable, Qualys, Linux, Jadx, OSINT, TOR, Postman, Shodan, Censys, Fofa

## PROJECTS

### VigilWolf [↗](#)

- Built a domain-monitoring system detecting suspicious or impersonating domains using fuzzy matching, regex-based analysis, and NRD tracking.
- Implemented WHOIS lookup, HTML snapshotting, screenshot capture, and change detection.
- Designed persistent storage, automated schedulers, and Docker-based deployment.

### MDXpress Blog (Node.js Markdown Blog Engine) [↗](#)

- Developed a lightweight, zero-dependency blog engine using pure Node.js (http module).
- Enabled automatic markdown content loading, dark mode UI, and responsive rendering.

### ve-compiler-2.0 (Multi-language Code Execution Engine) [↗](#)

- Developed a compiler engine supporting **8+ programming languages** including C, C++, Java, Python, JavaScript, Go, Rust, and Lua.
- Added secure runtime input handling, detailed error reporting, and temporary file cleanup.
- Published as an npm package with full cross-platform support.

## Certificates

### Blue Team Level 1

Security Blue Team  
November 2025

### ISO LA 27001

CQI IRCA  
February 2025 – February 2028

### Solution Architect Associate

AWS SAA C0-3  
February 2026-2029

## ADDITIONAL EXPERIENCE & COMMUNITY INVOLVEMENT

- Completed **5+** freelance IoT and automation projects involving hardware–software integration and rapid prototyping.
- Delivered cybersecurity workshops for **IIT Kanpur, IISc Bangalore, IIIT Delhi, UP Police**, and other communities, training **500+ learners**.
- Led **FOSS United Kanpur**, organizing meetups and expanding the local open-source community.
- Contributed to **BSides Agra, BSides Indore**, and **AWS User Group Kanpur** as a technical volunteer and speaker.
- Served as **Operations Manager – DEF CON Delhi**, coordinating event operations and contributing to CTF challenge development and platform maintenance.