

SHARAN KUMAR VR

OFFENSIVE SECURITY RESEARCHER

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PROFILE

Cybersecurity undergraduate focused on web and API security, agentic AI trust boundaries, and Python security automation. Experience in authorized penetration testing, SIEM operations, responsible disclosure, and competitive CTFs.

EXPERIENCE

Audix Technologies

Nov 2025 – Present

Security Engineer

- Conducted authorized penetration testing and validated vulnerabilities across assigned environments.
- Supported SIEM connectivity, log ingestion and normalization; maintained CVE-related vulnerability records for monitoring and analysis.

Independent Security Research

2026 – Present

AI / Agentic Security Researcher

- Investigate trust-boundary failures and indirect prompt injection in AI-integrated applications.
- Tested HubSpot Breeze AI across **17 attack vectors**; identified differing trust handling in email and CRM-note pipelines. Reported through HackerOne (Informative) and published a [technical write-up](#).
- Reported a high-severity unauthenticated LLM/ML API exposure; responsibly disclosed findings to VIT Paper Valut, Elala, Bumba Global, and HubSpot.

SELECTED PROJECTS

WNSA — Wireless Network Security Analyzer

Python, PySide6, Linux

- Built a GUI for 802.11 discovery, live AP/client monitoring, packet inspection, and connectivity checks; added WPA/WPA2 assessments for authorized lab environments.

WAVE — Web Automation Vulnerability Explorer

Python, Linux

- Developed a CLI tool supporting **15+ web vulnerability scans** with detailed HTML and JSON reports.

NeuralOps — AI-Powered Security Operations Center

- Built a platform to monitor security events, identify potential attacks, explain threats, and deliver real-time incident-response alerts.

Echo Defend — Security Operations Automation

Python, Linux

- Automated authorized HTTP command retrieval, local CLI execution, result capture, and webhook delivery.

TECHNICAL SKILLS

Security: Web/API penetration testing, mobile VAPT, OWASP Top 10, authentication and authorization testing, LLM/prompt-injection testing, CVSS scoring, threat modeling, MITRE ATT&CK.

AppSec: Secure code review, SAST, DAST, CI/CD security.

Tools: Burp Suite, Nmap, Metasploit, Postman, Wireshark, Linux, SIEM, HackerOne.

Programming: Python, Bash, JavaScript, C++, Java, C, SQL, HTML/CSS.

ACHIEVEMENTS

- 1st place** — Flagwars, Yantra 2026; **4th** — HackVerse 2026 and What The Flag 2025; **3rd** — Capture the Cube, Gravitas 2025 (VIT Vellore).
- 88th of 180,000+** — TryHackMe Industrial CTF (top 0.05%); **top 10 of 960** — SIMLE CTF 2024.
- TryHackMe top 10% globally; completed **70+ PicoCTF challenges** and **63+ PortSwigger Academy labs**.

EDUCATION AND CERTIFICATION

Vellore Institute of Technology

2025 – 2029

B.Tech, Computer Science & Engineering — Cybersecurity Specialization

Shree Niketan Matriculation

2023 – 2025

Higher Secondary Education — 89%

CEH: In progress, EC-Council; training sponsored by Audix Technologies.

Languages: Tamil, Telugu, English.