Sana Yasmine

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Summary

Cybersecurity and Application Security Engineer with hands-on experience in VAPT for web applications and APIs. Skilled in OWASP Top 10 testing, reconnaissance, proof-of-concept exploitation, and writing risk-based vulnerability reports with clear remediation guidance. Strong foundation in Secure SDLC, incident triage, Linux security tooling, AWS fundamentals, and DevSecOps automation using GitHub Actions. Proficient in Python, Bash, Java, and JavaScript for scripting and secure development.

Education

Vellore Institute Of Technology, Bhopal
Expected May 2026
B.Tech — Computer Science (Minor: Cyber Security & Digital Forensics). **CGPA: 8.95/10**.

Skills

Security: Web & API VAPT, OWASP Top 10, Vulnerability Assessment, SOC Monitoring, Incident Response, Threat Analysis, Vulnerability Management, SIEM, IDS/IPS, EDR, MITRE ATT&CK, NIST CSF
Tools: Kali Linux, Burp Suite, OpenVAS, Nmap, Wireshark, Metasploit, IDA Pro, DVWA, XVWA.
Programming: Python, Bash, Java, JavaScript.
Cloud & Web: AWS, GitHub Actions, MongoDB, SQL, Render.

Work Experience

Redynox Technologies
Sep 2025 – Oct 2025
Cybersecurity Intern — Conducted Web and API VAPT using Burp Suite and Nmap; identified OWASP Top 10 vulnerabilities, developed proof-of-concept exploits, and prepared remediation-focused security reports; supported SOC log analysis and alert triage.

India Space Lab
Dec 2024 – Jan 2025
Space Tech Intern — Built Python automation for anomaly detection, encryption-based validation, and integrity checks for space datasets.

Projects

Blockchain-Based Institutional Verification
Solidity, Web3
Smart-contract system for tamper-proof certificate verification with role-based issuer/verifier access, immutable audit trail, and fraud-resistant validation; led a 5-member team; reduced verification fraud risk by 60%.

PhishGuard AI — Real-Time Phishing Detection System
FastAPI, Gemini AI, Chrome Extension
Built an AI-powered phishing detection Chrome extension with a FastAPI backend to analyze URLs in real time across websites and Gmail. Integrated Gemini AI for phishing risk scoring with secure server-side processing and heuristic-based fallback detection.

Web App Penetration Testing (DVWA, XVWA)
Performed hands-on Web Application Penetration Testing on DVWA and XVWA to identify SQL Injection, XSS, CSRF, authentication, and access control vulnerabilities; created proof-of-concept exploits and OWASP-aligned remediation reports.

Certifications

CEH (EC-Council, 2025–2026) | Cybersecurity Analyst Simulation (Tata Forage, 2025) | Blockchain Fundamentals (IBM, 2025) | Agile & DevOps (IBM, 2025) | Data Science (Accenture Forage, 2025)

Achievements

Organized campus technical events (+20% attendance). 15+ Google Skills Badges. Telugu Club member; AI Conclave volunteer.

Languages

English | Hindi | Telugu