

Aura Shanagonda

Cybersecurity Analyst / Penetration Tester / Vulnerability Assessment Specialist
Hyderabad, Telangana, India

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Professional Summary

Results-driven Cybersecurity Analyst with 2+ years hands-on experience in penetration testing, vulnerability assessments, network security analysis, OSINT investigations, and security reporting. Proven expertise in identifying critical vulnerabilities, conducting comprehensive security assessments, and delivering actionable remediation strategies.

Core Competencies

Cybersecurity: Penetration Testing, VAPT, Web Application Security, Network Security, API Security Testing, Risk Assessment

Security Analysis: Threat Intelligence, OSINT, Digital Forensics, Security Audit, Compliance Assessment, Incident Response

Technical Tools: Burp Suite, Nmap, Metasploit, OWASP ZAP, Wireshark, Nikto, ffuf, dirsearch, Exploit-DB, Nessus

Programming: Python, Java, JavaScript, Node.js, SQL, Bash Scripting

Platforms: AWS Cloud Security, Linux Administration, MySQL, MongoDB, Git/GitHub

Documentation: Technical Report Writing, Risk Assessment Documentation, MITRE ATT&CK Framework

Professional Experience

Penetration Tester (Intern), SURE TRUST
Remote, Hyderabad

Feb 2025 – Present

- Executed comprehensive VAPT assessments across 15+ web applications and network infrastructures, identifying 50+ critical vulnerabilities
- Orchestrated advanced attack simulations using Burp Suite, Nmap, Metasploit, and OWASP ZAP, demonstrating real-world exploitation scenarios
- Authored detailed technical reports with MITRE ATT&CK framework mappings, achieving 95% remediation rate within timelines

Penetration Tester (Intern), YHills
Remote, Hyderabad

Oct 2023 – Nov 2023

- Performed systematic security assessments on web applications, networks, and APIs, uncovering critical authentication bypass vulnerabilities
- Developed reproducible PoCs with comprehensive impact analysis, enabling rapid prioritization by engineering teams

Vulnerability Analyst (Intern), Nikist School
Remote, Hyderabad

Jun 2023 – Aug 2023

- Conducted vulnerability assessments utilizing Nmap, Metasploit, OWASP ZAP, and Wireshark across diverse network environments
- Validated security patch effectiveness, contributing to 40% improvement in overall security posture

Key Projects

Inshorts News Platform Clone — MERN Stack (2025): Architected responsive news aggregation platform with React.js frontend, Node.js/Express.js backend, MongoDB database. Implemented secure API endpoints with Axios integration and Material-UI components.

Secure ATM Transaction System — Java Application (2025): Engineered banking simulation with PIN-based authentication, encrypted transaction processing, and MySQL database integration via JDBC. Implemented robust error handling following OWASP guidelines.

Education

MLR Institute of Technology

2022 – 2026

Bachelor of Technology - Computer Science and Engineering (In Progress)

SR Junior College, Karimnagar

2020 – 2022

MPC Intermediate — 96.8%

Sapthagiri High School, Karimnagar

2019 – 2020

SSC — 10.0 GPA

Professional Certifications

AWS Knowledge: Cloud Essentials (Amazon Web Services) - May 2025

AWS Academy Cloud Foundations (AWS Academy) - May 2025

Cybersecurity Fundamentals and Advanced Penetration Testing Coursework

Key Achievements

- Delivered comprehensive security reports with detailed risk ratings and prioritized remediation roadmaps
- Demonstrated advanced OSINT-driven threat intelligence and file type identification for digital forensics
- Maintained 100% success rate in vulnerability validation and security control testing with cross-functional teams