

MADHURA BAJIRAO SURYAWANSHI

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PROFESSIONAL SUMMARY

Second-year B.Tech Cybersecurity student with hands-on exposure to vulnerability assessment, penetration testing, web application security, digital forensics, threat detection, and security monitoring. Proficient in OWASP Top 10, MITRE ATT&CK framework, Nmap-based network security reconnaissance, log analysis, alert triage, and Cyber Kill Chain-driven incident response. Founded a 30-member SOC-focused cybersecurity chapter; ranked CTF competitor; delivered threat intelligence awareness to 1,500+ students. Targeting SOC Analyst Intern, Security Analyst Intern, and Web Security Intern roles.

TECHNICAL SKILLS

Security Domains: Vulnerability Assessment · Penetration Testing · Web Application Security · OWASP Top 10 · Digital Forensics · Threat Detection & Analysis · Security Monitoring · Incident Response · Log Analysis · Alert Triage · Threat Hunting · Network Security · Reconnaissance

Frameworks: MITRE ATT&CK · Cyber Kill Chain · OWASP Top 10 · NIST CSF

Tools & Platforms: Kali Linux · Nmap · Burp Suite · Wireshark · tcpdump · SIEM / Splunk (conceptual) · TryHackMe

Programming: Python · C · C++ · HTML · CSS · JavaScript

Networking: Port Scanning · Service Enumeration · TCP/IP · Packet Analysis · IDS/IPS Concepts · Network Traffic Analysis

CYBERSECURITY PROJECTS

AutoBug Snapper - Automated Vulnerability Assessment Tool

2025

- Engineered a Python web vulnerability scanner performing automated penetration testing against OWASP Top 10 classes - XSS, SQL injection, input validation flaws, insecure configurations — accelerating threat detection and web application security assessments.

Cyber Awareness Gamified Security Platform

2025

- Developed a threat intelligence awareness platform training 1,500+ students on phishing detection, social engineering defence, and network security hygiene, mapping modules to MITRE ATT&CK techniques.

Secure Task Allocation & Resource Management App *Team - Ongoing*

2025

- Architecting with role-based access control, secure session management, input sanitisation, authorization controls, and audit logging aligned to OWASP and NIST CSF guidelines.

BikeLiftApp - Secure Ride-Sharing Platform *Ongoing*

2025

- Applying threat modelling, encrypted data handling, and secure authentication patterns practising end-to-end security operations principles during active development.

INTERNSHIP EXPERIENCE

Cybersecurity Research Intern *Cyber Security Association of India (CSAI)*

Jun - Jul 2025

- Executed digital forensics investigations on simulated security incidents performing evidence acquisition, packet analysis, log analysis, and chain-of-custody documentation aligned to incident response procedures.
- Researched attacker TTPs mapped to MITRE ATT&CK; authored papers on threat intelligence and social engineering threat detection; contributed Cyber Kill Chain analysis to SOC defensive strategy and security monitoring frameworks.

CYBERSECURITY TRAINING

Cybersecurity Mentorship Program *PreGrad · 3 Months*

2024–2025

- Performed hands-on vulnerability assessment, penetration testing, and OWASP Top 10 exploitation on TryHackMe; conducted Nmap network security reconnaissance and service enumeration; applied SIEM-aligned log analysis, alert triage, and Cyber Kill Chain threat-mapping to incident case studies.

CTF PARTICIPATION & COMPETITIVE SECURITY

Holmes 2025 CTF Blue Team / SOC · DefCon Pune CTF Rank **41** · HackZero CTF Rank **151** · VishwaCTF 2026 CyberCell VIT

LEADERSHIP & COMMUNITY INITIATIVES

Founder & Chapter Lead - 0x0 PIR4T3S *SSPU Cybersecurity Chapter*

2024 - Present

- Founded a 30-member SOC-oriented cybersecurity chapter; led the Dead Reckoning digital forensics & threat hunting series, vulnerability assessment labs, and network security monitoring workshops; spearheaded a threat intelligence campaign reaching 1,500+ students; represented SSPU at ISC2 Pune, AWS User Group, and IYC10 - New York.

CERTIFICATIONS

Cybersecurity Mentorship Program - PreGrad · Course on Computer Concepts - NIELIT · Bitcoin & Cryptocurrency Technologies – Coursera · Blockchain Fundamentals · Group Dynamics - NPTEL / IIT Roorkee · Applied Psychology - Achology · Dark Psychology – Udemy

VOLUNTEER EXPERIENCE

Sant Nirankari Mission - SNSD Rank Member · Comic Con Pune - Volunteer · District by Zomato - Event Operations Volunteer

SOFT SKILLS & LANGUAGES

Skills: Analytical Thinking · Threat Communication · Leadership · Team Coordination · Research · Event Management · **Languages:** English · Hindi · Marathi