

Omkar Deodhar

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SUMMARY

Computer engineering student with hands-on experience in penetration testing, vulnerability assessment, and network security assessments. Looking for opportunities in offensive security, red teaming, and security engineering

EDUCATION

Marathwada Mitra Mandal's College of Engineering

B.E. in Computer Engineering

Pune, India

Nov 2022 – Jun 2026

EXPERIENCE

Kirtane & Pandit LLP

Cyber Security Analyst Intern

Jun 2025 – Present

Pune, India

- Conducted Vulnerability Assessment and Penetration Testing (VAPT) for web applications, delivering critical findings to clients.
- Delivered CERT-In compliant security assessment reports, including detailed remediation guidance and vulnerability reproduction steps.
- Automated VAPT revalidation using Nodemation by integrating Burp request-response data, reducing the turnaround time by 12%.
- Led phishing simulation campaigns, achieving a 76% success rate among recipients who opened the email.
- Developed Python scripts to process 5,000+ log entries to analyze bot and crawler activity patterns.
- Developed Bash and PowerShell scripts to automate Android VAPT lab setup, including emulator provisioning and AVD configuration.
- Performed Static Application Security Testing (SAST) and Android VAPT in a controlled lab environment to evaluate application security and simulate attack scenarios.
- Developed an automated penetration testing tool which uses the Gemma 3 4B model via Ollama CLI to autonomously generate and execute security tasks.
- Built and maintained Active Directory/Windows lab environments to test authentication, privilege escalation, and security configurations.
- Conducted network assessments using Nessus and OpenVAS and validated fixes after remediation.
- Gained hands-on exposure to audit requirements and compliance standards, including RBI, IRDAI, and ISO frameworks.

Freelance

Security Researcher

Feb 2025 – May 2025

Pune, India

- Conducted Web Application Penetration Testing (WAPT), identifying 10+ security issues including broken access control, information disclosure, and XSS vulnerabilities.
- Delivered 3+ VAPT reports with 15+ prioritized remediation steps aligned with OWASP and compliance frameworks.
- Handled responsible disclosure, coordinated with clients to fix issues, and re-tested to confirm remediation.

SKILLS

Languages: C++, Python, SQL, JavaScript, Bash

Cloud Platforms: Google Cloud Platform

Tools: Nmap, Metasploit, Burp-Suite, Wireshark, SQLmap, OWASP ZAP, Nessus, OpenVas, GitHub, Kali Linux, Windows AD, Mcp (Model Context Protocol)

Frameworks and Standards: OWASP Top 10, NIST, ISO 27001, GDPR

Soft Skills: Problem-Solving, Critical Thinking, Teamwork, Attention to Detail

LICENSES AND CERTIFICATIONS

Cisco Ethical Hacker | [Link](#)

Aug 2024

Ethical Hacking Essentials (EC-Council) | [Link](#)

Mar 2024

Google Cybersecurity Professional Certificate (Google + Coursera) | [Link](#)

Feb 2024

PROJECTS

URL Classification Engine | [Link](#)

Mar 2025

- Developed a Python based URL classification system that monitors accessed domains, scrapes metadata, and classifies them through a machine learning model for automated blocking.
- Implemented an admin panel enabling real time inspection, manual allow/block controls, and logging of all classification decisions.

Web Crawler | [Link](#)

Nov 2024

- Built VulnScout, a Python based crawler that extracts CVE data, CVSS scores, summaries, and publication details from vendor security advisory pages.
- This tool compares new security advisories with the products our users use and sends automatic email alerts if a relevant vulnerability is found.

Port Scanner | [Link](#)

Feb 2024

- Developed Shadow-Scan, a Python based port scanning utility to detect open ports and common services across target hosts.
- It recognizes open ports and services such as FTP, SSH, HTTP, and SMTP using Python libraries such as socket, ssl, and scapy.

ACHIEVEMENTS

- Achieved a top 5% global ranking on the TryHackMe platform.
- Established the first-ever Cyber Security Club, MSOC, at MMCOE College and currently serving as its president.
- Mentored 50+ students in cybersecurity fundamentals, ethical hacking, and network security, including live demonstrations.
- Achieved top ranking in multiple Capture the Flag (CTF) competitions, earning substantial cash prizes.