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, Pune, B.E. in Computer Engineering   Nov 2022 – Nov 2026

Experience

Cyber Security Intern - Kirtane & Pandit LLP, Pune, India   Jun 2025 – Present

- Led a phishing simulation campaign with GCP VM provisioning and Nginx reverse proxy configuration, achieving a 76% successful phish rate among recipients who opened the email.
- Built and maintained Active Directory/Windows lab environments to explore authentication, privilege escalation, and security.
- Conducted network assessments using Nessus and OpenVAS and validated fixes after remediation.
- Gained exposure to audit requirements and regulatory standards in RBI, IRDAI, and ISO-governed industries.

Security Researcher - Freelance, Pune, India   Feb 2025 – May 2025

- Conducted WAPT/VAPT, uncovering 12+ OWASP Top 10 issues (broken access control, information disclosure, XSS, etc.).
- Delivered 4+ VAPT reports with 30+ prioritized remediation steps aligned with OWASP and compliance frameworks.
- Handled responsible disclosure, coordinated with stakeholders to fix issues, and re-tested to confirm remediation.

Licenses and Certifications

- **Cisco Ethical Hacker:** Link   Aug 2024
- **Ethical Hacking Essentials (EC-Council):** Link   Mar 2024
- **Google Cybersecurity Professional Certificate (Google and Coursera):** Link   Feb 2024

Projects

URL Classification Engine: Link   Mar 2025

- Built a Python-based URL classifier with mitmproxy interception, real-time/manual blocking, and traffic logging. Trained a Random Forest model on TF-IDF vectors, with a Flask panel for live inspection and policy control.

Web Crawler: Link   Nov 2024

- Developed VulnScout, a Python-based web crawler and scraper that reports critical vulnerabilities in OEM equipment. Extracts CVE identifiers, CVSS scores, summary, and publish dates from security advisory pages. Features include keyword-based link discovery, dynamic content support, structured output, and automated email alerts.

Port Scanner: Link   Feb 2024

- Developed Shadow-Scan, a Python-based port scanner for educational use, which recognizes open ports and services such as FTP, SSH, HTTP, and SMTP. Implemented with Python libraries (socket, ssl, and scapy) for Linux systems, offering a simple interface to scan and retrieve service details.

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

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

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

Achievements

- Achieved a top 5% global ranking on the TryHackMe platform.
- Established the first-ever Cyber Security Club, MSOC, at MMCOE College and is 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