Vidhan Thakur

Junior Security Engineer

Bangalore, India | +91 7058485637 | vidhanthakur17@gmail.com | linkedin.com/in/vidhan-thakur

Professional Summary

Security Engineer with approximately 1 year 8 months of experience in web, API, mobile and network penetration testing, secure code review and vulnerability validation. Hands-on experience in authentication, access control, injection and business logic testing, supported by SAST/DAST tools, technical reporting and remediation verification.

Professional Experience

Junior Security Engineer Feb 2025 – Present

Intelliroot Technologies (OPC) Pvt. Ltd. Bangalore, India

- Conducted manual and tool-assisted VAPT across **70+ client applications**, identifying technical and business logic vulnerabilities.
- Tested **authentication, authorization, session management, IDOR/BOLA, input validation, injection, file uploads and API access controls**.
- Performed **secure code review and analyzed Semgrep and SonarQube** findings to investigate vulnerable source-to-sink flows and insecure implementation patterns.
- Prepared CERT-In aligned reports with CVSS ratings, CWE mappings, technical evidence, business impact and remediation guidance; retested findings to verify fixes.

Technical Skills

Application Security: Web and API Penetration Testing, Mobile and Network VAPT, Secure Code Review, SAST, DAST, Threat Modeling (STRIDE), OWASP Top 10, OWASP API Security Top 10

Security Tools: Burp Suite, Nmap, Nessus, Metasploit, sqlmap, Wireshark, Semgrep, SonarQube, MobSF, Frida, JADX, Apktool

Reporting: CVSS, CWE, Risk Assessment, CERT-In Aligned Reporting, Remediation Validation

Networking and Systems: HTTP/HTTPS, DNS, TCP/IP, UDP, Network Protocol Analysis, Linux, Kali Linux

Projects

SecureFlow – Static Application Security Testing Platform Live Application

- Developed a static analysis platform supporting **Python, JavaScript/TypeScript, PHP, Java and Go**, using AST analysis and source-to-sink tracing to flag potential security vulnerabilities.
- Implemented checks for injection vulnerabilities, SSRF, path traversal and hardcoded secrets, with scan coverage visibility and finding suppression workflows.
- Built authentication, password recovery, project/scan management and technical/executive PDF reports; deployed using Render, Supabase PostgreSQL and Brevo API.

Security Research

- Reported an OTP bypass vulnerability in an authentication workflow at **Max Healthcare**.
- Identified sensitive configuration disclosure, HTML injection and session-related vulnerabilities at **Deutsche Telekom**.
- Reported information disclosure and security misconfiguration vulnerabilities affecting **Stanford University and Tata Motors**.

Certifications & Training

Certified Ethical Hacker (CEH) v13 – EC-Council

Certified Network Security Practitioner (CNSP) – The SecOps Group

PentesterLab Badges: Essential, Web Fundamentals, HTTP, API

Education

Bachelor of Engineering in Computer Science Engineering 2020 – 2024

Prof. Ram Meghe Institute of Technology & Research, Badnera CGPA: 7.81/10