

Dhruvik Agarwal *Software Engineer*

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📄 SUMMARY

Security Analyst with 2+ years of expertise in delivering comprehensive services such as Vulnerability Assessment and Penetration Testing (VAPT), code reviews, privacy assessments, and threat modeling. Deep understanding of industry standards and compliance requirements, including OWASP Top 10, SANS/CWE 25, GDPR, and PCI-DSS. Recognized for identifying and resolving 20+ critical vulnerabilities in Microsoft applications, resulting in the prestigious HCL Spot Award and a Certificate of Appreciation. Committed to excellence in safeguarding systems and data, poised to contribute expertise and drive tangible results to enhance organizational security posture.

🏢 PROFESSIONAL EXPERIENCE

Software Engineer, HCL Technologies 09/2021 – present | Lucknow, India

- Lead Privacy and VAPT assessments for HCLTech, and Microsoft.
- Conducted cookie and privacy audits to make applications compliant with regulations such as GDPR, CCPA, APPI and e-Privacy directive.
- Configured, scanned, and validated the findings of vulnerability testing tools such as Nessus, Burp Suite Professional, OWASP Zap, and HCL AppScan.
- Responsible for Network Penetration Testing using Kali Linux tools like Nmap & Metasploit.
- Performed threat modelling for various projects and suggested possible attack surfaces and security threats using threat libraries like Mitre Att&CK and CAPEC.
- Responsible for network segmentation and security in PCI DSS audits.
- Worked with developers to understand the root cause and mitigate vulnerabilities.
- Responsible for vulnerability identification in applications' source code.

Intern, HCL Technologies 09/2020 – 09/2021 | Lucknow, India

- Significant experience of undertaking Penetration Tests, for highly resilient solutions.
- Found application level vulnerabilities like XSS, SQL Injection, CSRF, authentication bypass, cryptographic attacks, authentication flaws etc.
- Responsible for reconnaissance of applications and identifying common vulnerabilities.
- Assessed web applications based on OWASP top 10 guidelines.
- Responsible for API security testing using tools like Postman
- Got exposure to compliance audits like GDPR, PCI-DSS, and Privacy assessment.
- Following up and ensuring the closure of the raised vulnerabilities by retesting the issues.

🧠 SKILLS

- Dynamic / Static Application Security Testing (DAST and SAST) for Web, Mobile, and API
- Compliance Audit (OWASP Top 10, CWE Top 25, PCI-DSS)
- Source Code Scanning (HCL Appscan Source, CodeQL, SonarQube, Semgrep)
- Cookie and Privacy Audit (GDPR, CCPA, APPI)
- Programming (Python, C#)
- Network (Infrastructure) Penetration Testing and OSINT
- Manual Security (WSTG, OWASP code review, MSTG)
- Remediation of Security and Privacy Gaps
- Threat Modeling (STRIDE, PASTA, ASF, DREAD)
- Vulnerability Management through Nessus and Qualys

🏆 AWARDS AND ACHIEVEMENTS

Developed Vulnerability Detection Tool

Developed and implemented a Python based vulnerability detector that automated detection of 30+ vulnerabilities for HCL Technologies, reducing manual reconnaissance time by 50%.

Certificate of Appreciation, HCL Technologies

15/02/2023

Received Certificate of Appreciation for training over 20 engineers in SAST and threat modeling assessments, in the OND quarter.

HCL Spot Award, HCL Technologies

03/11/2022

Awarded with HCL Spot Award for my excellent contribution to the team through my Research and Development (R&D) skills, throughout the past year.

🎓 EDUCATION

Bachelor in Computer Application (BCA), Amity University

2024 | Noida, India

📄 CERTIFICATES

- Microsoft Certified: Azure Security Engineer Associate
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Techbee: HCL's Early Career Program Certificate