

Amal PK

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Summary

Cybersecurity professional and researcher with profound expertise in Vulnerability Assessment and Penetration Testing (VAPT), specializing in web, mobile, network, infrastructure, API, and cloud security. Skilled in Secure Code Review and experienced in identifying and exploiting real-world vulnerabilities through hands-on testing, research, and practical engagement. My knowledge is backed by active participation in CTF competitions and successful contributions to bug bounty programs. I'm always looking to learn and grow, and I'm now looking for the right opportunity to build a meaningful career in Application Security-where I can focus my skills and keep improving in a field I genuinely enjoy.

Skills

- Vulnerability Assessment and Penetration Testing: *Web App, Android, iOS, Thick Client, API*
- Cloud Security: *AWS, Azure pentesting*
- Source code review
- Capture The Flag (CTF) competitions
- Security Frameworks & Standards: *OWASP Top 10, NIST, CERT-IN guidelines*
- Network & Infrastructure Security: *Firewall review & audit, Configuration assessment,*

Experience

Security Analyst, HackIT Technology and Advisory Services Jan 2025 – Present

- Performed penetration testing on web apps, mobile apps, APIs, and cloud environments, identifying vulnerabilities and helping teams fix them.
- Assessed infrastructure and network security to find misconfigurations and potential risks.
- Handled clients throughout the project life cycle — from understanding their security needs to sharing findings and guiding them through remediation.
- Wrote clear and detailed reports explaining security issues and suggested practical solutions.
- Ensured that assessments were aligned with industry standards and frameworks such as the OWASP Top 10, NIST, CERT-IN guidelines, and other relevant compliance requirements.

Security Analyst Intern, HackIT Technology and Advisory Services Sep 2024 – Dec 2024

- Conducted penetration testing on web applications (Black Box, Grey Box, White Box) to find and report vulnerabilities.
- Tested APIs for vulnerabilities and secured integrations.
- Identified and fixed security flaws in Android applications.
- Performed Thick Client Pentesting to identify application-level vulnerabilities.
- Documented findings in detailed reports, providing clear and actionable recommendations for remediation.

Certifications

- **Certified Ethical Hacker (CEH V12)**
- **Certified Appsec Practitioner** - *The Secops Group*
- **Certified Network Security Practitioner** - *The Secops Group*
- **Dante, POO** - *HackTheBox Pro Labs*
- **Certified Penetration Tester** - *RedTeam Hacker Academy*

Professional & Community Activities

Chapter Coordinator, Information Security Research Association

Feb 2025 – Present

- Lead chapter operations and coordinate cybersecurity research initiatives in Kochi.
- Organize educational workshops, seminars, and technical training programs.
- Manage chapter communications and community outreach activities.

Additional Community Activities:

- Corporate training delivery on cybersecurity best practices
- CTF competition organization and mentorship
- Educational webinars and technical presentations
- Active participation in major conferences (Seasides Goa, c0c0n Kochi, RedTeam Security Summit)

Education

- Bachelor of Computer Application, *IGNOU*
- Diploma in Information Security and Cyber Defense, *RedTeam Hacker Academy*

Achievements

- Earned top placements in several national and international Capture The Flag (CTF) competitions, including Hack The Box's Cyber Apocalypse and Cyber Bekal events
- Featured in the Hall of Fame by organizations like Lenovo, NASA, CERT-EU, and the GEA Group for reporting and helping to fix real-world security vulnerabilities

Technologies

Tools: Burp Suite, Nessus, Postman, Wireshark, Nmap, Metasploit, Semgrep, AlgoSec, Nipper

Languages: Bash, Python

Platforms: Linux, Windows