# Akshatha K

imakshathagowda@gmail.com |Bangalore, IN | LinkedIn | GitHub |Portfolio

## PROFESSIONAL SUMMARY

Cybersecurity professional with 2.6 years of experience specializing in secure software development, vulnerability management, and threat mitigation. Demonstrated success in improving product security by 25% and reducing risk exposure by 30% through robust security initiatives. Proven ability to drive compliance with industry standards, implement risk mitigation strategies, and foster cross-functional collaboration. Seeking to contribute to secure product development in future cybersecurity roles.

## SKILLS

- **Security & Compliance:** Secure Software Development Life Cycle (Secure SDLC), Open-Source Vulnerability Management, Threat Modeling & Risk Mitigation, Web Application Security, Penetration Testing, Network Security, Risk Management & Risk Assessment, Security Documentation, PCI DSS, NIST, CIS, OWASP Top 10
- **Security tools:** SD Element, Synopsys Detect(formerly BDH), Microsoft threat modeling, Qualys, Metasploit, SonarQube, VirusTotal, Nessus, OpenVAS, Nmap, Burp suite
- **Project Management & Collaboration Tools**: JIRA, Bitbucket, TortoiseGit, GitHub
- **Programming Languages**: C#, Java, SQL
- **Operating Systems**: Windows, Kali Linux

## PROFESSIONAL EXPERIENCE

**Honeywell Tech Solutions Lab Pvt Ltd | Bangalore, IN**                           **Sep 2021 - Mar 2024**
- Acted as a Security Advocate for two major product releases and over 10 security patches, driving a 25% improvement in overall product security by embedding security across the SDLC.
- Led environmental risk scoring using Black Duck Hub (BDH), reducing risk exposure by 30% through the remediation of open-source vulnerabilities across multiple product lines.
- Directed the secure integration of the third-party product Allgovision with VMS, ensuring 100% security compliance and lowering integration-related risk by 15% through collaboration with external teams.
- Participated in secure SDLC activities using tools like SD Elements, SonarQube, and Microsoft Threat Modeling Tool, aligning all security requirements with product design from architecture to release.
- Resolved critical vulnerabilities such as DLL hijacking and enabled Control Flow Guard (CFG), resulting in a 50% reduction in attack vectors and significantly improving system integrity.
- Collaborated cross-functionally with security architects, penetration testers, developers, QA, legal, and product managers throughout the SDLC to ensure security was integrated into all stages of development.
- Created detailed security documentation and compliance reports for internal teams and customers, improving protocol adherence and reducing support requests by 15%.

## INTERNSHIP

**National Payment Corporation of India (NPCI)**                           **Aug 2024 - Sep 2024**
- Reviewed security policies aligned with PCI DSS, NIST, and CIS, enhancing password guidelines and overall posture.
- Analyzed malware via VirusTotal, uncovering 5 critical vulnerabilities and recommending effective remediation.
- Drove penetration tests and executed SYN scans with Nmap to detect open ports and vulnerabilities

## EDUCATION

- **Advanced Executive Program in Cybersecurity** - IIITB, Sep 2024 | Grade: A
- **Bachelor of Engineering (B.E.) in Computer Science** - VTU, 2021 | CGPA: 8.13

## CERTIFICATION

- Software Security Practitioner (Architect) - ISC² Security Compass, May 2023
- NPCI Cybersecurity Virtual Internship - September 2024
- Enterprise Infrastructure Security, Application and Web Application Security, Ransomware and Malware Analysis, Ethical Hacking and VAPT - Simplilearn, 2024
- Java Full Stack - Pentagon Space, 2022

## AWARDS AND RECOGNITIONS

- **Bronze Award for Best Scrum Member:** Boosted team efficiency by 30% through effective sprint planning.
- **Bronze Award for Cybersecurity Commitment:** Ensured compliance and reduced security risks.