

# ASHWATH SREEDHAR HALEMANE

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Detail-oriented and results-driven Computer Science graduate with 4.5 years of experience in Security Engineering. Eager to leverage skills in Security and cloud technologies to tackle innovative challenges as a Security Engineer, Cloud Security Engineer or SOC Analyst.

## CORE COMPETENCIES

Vulnerability Management | Application Security | Cloud Security | Incident Response | Shell Scripting | REST APIs

## SKILLS

**Languages & Databases:** Java, Python, JavaScript, PostgreSQL, MongoDB, Redis

**Cloud Security:** Google Cloud Platform (Cloud Functions, Cloud Storage, IAM, BigQuery, Cloud Logging, Cloud DLP), AWS (S3, EC2, Route 53, Lambda)

**Security Tools:** Nmap, Nessus, Wireshark, Metasploit, Burp Suite Pro, Synk, Invicti, Fortify, Splunk Enterprise

**Networking Skills:** TCP/IP, Firewalls, IDS/IPS, VPN, Web-proxy, TLS/SSL, Virtualization

**DevOps & Automation:** Unix, Docker, Kubernetes, Jenkins, Terraform (Beginner), GIT, NIST, PCI-DSS, HIPAA

## EDUCATION

**Rochester Institute of Technology**, Master of Science in Computer Science

Aug 2021 - May 2024

*Courses: Cryptography, Cybersecurity, Distributed Systems, Big Data, Database design & implementation, Web Services & SOA, Analysis Of Algorithms, Data Structures, Advance Object Oriented Programming(OOPS), Computer Vision*

## EXPERIENCE

**Application Security Engineer Intern**

[Infinitus AI](#)

May 2022-Aug 2022, May 2023 - Aug 2023

*San Francisco, California*

- Developed a robust Log Analysis system deployed on private GCP unveiling 20+ potential indicators of compromise(IOCs) from logs. Automated Incident Response workflow that improved infrastructure security posture & reduced manual work by 80%. Developed Bash scripts to detect discrepancies in NLP model versioning across staging, production, and local environments.
- Worked on API integration for automation to facilitate vulnerability ticket creation in Jira to improving efficiency and cutting workload by 90%. Integrated Snyk's Static Application Security Testing (SAST) into the CI/CD pipeline, implementing a fail-fast mechanism that reduced application risk at scale. Detected and prevented over 10 high-severity vulnerabilities, contributing to a 30% reduction in security breach risk and supporting the organization's shift-left security approach.
- Developed Go and Python scripts to fetch active Google Secrets tokens, ensuring that developers and service accounts used the latest active tokens. This automation enhanced reliability and reduced manual intervention by 85%, significantly minimizing production issues, including severe incidents.

**Senior Software Engineer, Security**

[CGI Inc](#)

May 2017 - Jun 2021

*Bangalore, India*

- Test automation & Robotic Process Automation (RPA): Spearheaded a comprehensive security testing suite using Robot Framework, significantly improving the testing process, reducing false-positives & saving clients \$50K USD to improve automation & quality assurance.
- Custom API Development and Cloud Integration: Designed and implemented custom Identity and Access Management (IAM) endpoints, optimizing cloud scheduler configurations to maintain system integrity and performance to improve API security.
- Data Analysis and Performance Monitoring: Created and maintained Splunk dashboards, reports, and alerts to monitor application performance metrics from 40+ cloud applications to derive actionable insights.
- Vulnerability Assessment and Secure Coding Practices: Conducted penetration tests on a variety of web and network applications, identifying vulnerabilities including those listed in the OWASP Top 10.

## PROJECTS

**Enhanced Role-Based Access Control (RBAC) implementation to detect insider threats**

Sep 2023 - Dec 2023

- Designed and implemented a fine-grained RBAC system within the healthcare system. Integrated Prometheus as a middleware solution for real-time metrics collection, including request latencies, error rates, and authentication failures.

**Hackthebox - Emdee five for life**

Mar 2023 - Apr 2023

- Developed a Python-based solution for the "Emdeefiveforlife" challenge on Hack The Box, utilizing web scraping and MD5 hashing techniques to automate data retrieval and submission. Demonstrated proficiency in session management and cryptographic functions while enhancing practical skills in application security.