

LOKESH SIVAPRAKASH

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Executive Summary

Graduate student in Information Systems with 2.10 years of software development experience, now building a career in cybersecurity. Hands-on with SIEM, threat monitoring, and vulnerability assessment, bringing a strong foundation in automation and cloud technologies. ISC2 Certified in Cybersecurity, combining development expertise with blue team security skills to protect enterprise systems.

Technical Skills

Security Tools: Splunk, QRadar, Palo Alto XSOAR, Splunk Phantom, Darktrace, IDS/IPS, SonarQube.

Programming/Scripting & Analytics: Python, PowerShell, Bash, SQL/MySQL, Excel, Tableau, Power BI, Python.

Security Operations: Incident Response, Log & Network Traffic Analysis, Threat Monitoring, Vulnerability Assessment, Malware Analysis.

Compliance/Framework: GDPR, NIST Framework, HIPAA, ISO 27001, PCI DSS

IT & Cloud Knowledge: Java, SWT, REST APIs, Spring Boot, MongoDB, Kubernetes, Docker, OpenShift, Jenkins.

Certifications & Volunteer

ISC2 Certified in Cybersecurity (CC)

Aug 2025

Google Cybersecurity Professional Certificate

Mar 2025

Institute of Internal Auditors (IIA) - Student Member

Sep 2025

ISC2 (International Information System Security Certification Consortium) - Member

May 2025

Training

Tech Stack: SQL, Splunk, QRadar, Palo Alto Networks, Vulnerability Management.

- Automated incident workflows in **Splunk Phantom**, reducing handling time by **15%** and improving evidence traceability.
- Tuned **QRadar SIEM** correction rules, reducing false positives by **20%** and enhancing continuous monitoring effectiveness.
- Monitored network traffic and security alerts using **Palo Alto Networks Threat Prevention**, contributing to a **10% reduction in false positives**.
- Conducted log and traffic analysis with **IDS/IPS**, improving classification accuracy of events by **10%**.

Work Experience

Senior Software Engineer

Sep 2021 – Jun 2024

Capgemini Technology Services India Limited, Hyderabad, India

Tech Stack: Java, Spring Boot, Postman, RESTful APIs, MySQL, Liquibase, Jenkins, Microservices, SWT, JUnit, SonarQube

- Conducted security audits and vulnerability assessments using **SonarQube** and **Nexus IQ**, identifying and mitigating risks in system functionalities, enhancing overall security posture by **30%**.
- Designed and implemented secure **CI/CD pipelines** with Jenkins and Liquibase, ensuring **zero-downtime** deployments and robust rollback strategies to maintain system integrity and compliance.
- Performed **automated testing** with **Squish** and **JMeter** in UAT environments, improving test coverage and efficiency by **35%**.
- Utilized CI/CD tools, including **Jenkins** and **Trident**, to streamline the software development lifecycle, achieving continuous integration and delivery with a **98% success rate**.
- Rising Star Award:** Awarded by Capgemini for outstanding performance in **H1 2023**.

Academic Projects (Cleveland State University, OH)

Quantum Repeaters for Secure Cryptographic Space Communication

Ongoing

- Spearheaded foundational research on satellite-assisted quantum repeaters, advancing architectures for fault-tolerant entanglement distribution, positioning the project as a key enabler for next-generation secure space-to-ground communication networks.
- Architected and initiated Phase II development plan to design, prototype, and validate quantum repeater nodes, integrating advanced cryptographic protocols to ensure scalable, end-to-end secure key exchange..

Education

Cleveland State University, Ohio

Aug 2024 – May 2026

Master of Information Systems (MIS)

Hindusthan College of Engineering and Technology, India

Aug 2017 – Sep 2021

Bachelor of Technology in Information Technology