R.Srinivasan

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Professional Summary

I am a passionate, results-driven tech enthusiast with a deep love for computers, technology, and innovation. My ability to quickly grasp and adapt to emerging technologies, paired with a strong work ethic, allows me to thrive in fast-paced, dynamic environments. With a focused interest in cybersecurity, cloud computing, and software development, I bring hands-on expertise in Linux, Python, and cloud platforms like AWS. I excel at analyzing threats, managing vulnerabilities, and enabling secure software development. I'm driven to contribute to innovative teams, embrace new challenges with enthusiasm, and continuously advance both my professional and personal growth.

Certifications

- Certified Ethical Hacker (CEH v12)
- Red Hat Certified System Administrator (RHCSA) – *Score: 300/300.*
- Oracle Cloud Infrastructure 2023 – Certified Foundations Associate
- Python for Everybody – *University of Michigan.*
- Open Source Software Development – *The Linux Foundation.*
- Google Technical Support.
- Google AI Essentials.
- Cloud Computing and Distributed Systems – *NPTEL.*

Education

University of Pennsylvania   *2021 – 2025*
B.E in Computer Science and Engineering Specialized with Cyber Security

- GPA: 7.83/10.0
- **Coursework:** Computer Architecture, Computational Theory, Python, Java, Cyber Security, Cryptography, Penetration Testing, Threat Intelligence, Machine Learning, Learning Algorithms

Experience

Technical Product Architect Intern (Engineering)   *Chennai, Tamil Nadu*
Mylapay   *April 2025 – July 2025*

- Worked in Technical Architectures in FinTech domain, Security, Cloud, Engineering

Cyber Security and Full Stack Developer Intern   *Chennai, Tamil Nadu*
Quantelle Enterprises   *Sept 2024 – Jan 2025*

- Worked in Security Implementations, secure software development, Automated security testing using Python and custom scripts.

Publications

Machine Learning-Driven Android Malware Detection: A Robust Approach   April 2025

Ramesh Srinivasan, K.S. Sarvesvaraan, B. S. Kiruthika Devi

10.1109/ISPCC66872.2025.11039576

Projects

Android Malware Detection using ML

github.com/srinivasan2003/Android-Malware-Detection-using-ML ⬀

- Developed using Python, ML Algorithms. Publication: https://doi.org/10.1109/ISPCC66872.2025.11039576 ⬀

Web Security Audit: Web app vulnerability scanner using Python and Linux tools.

github.com/srinivasan2003/Web-Security-Audit ⬀

- Developed using Python and other Linux Tools

SSH Brute Forcer: Custom Python tool for SSH credential testing.

github.com/srinivasan2003/SSH-Brute-Forcer ⬀

- Developed using Python

FTP Brute Forcer: Python-based script for FTP security assessments.

github.com/srinivasan2003/FTP-Brute-Forcer ⬀

- Developed using Python

Email Analyzer: Email header parsing and forensic tool.

github.com/srinivasan2003/SSH-Honeypot ⬀

- Developed using Python

ToDo List using H2 DB

github.com/srinivasan2003/todo-list-java ⬀

- Developed using Java and H2 Database

Skills

Languages: Python, Java, SQL, HTML, CSS, JavaScript, Node.js

Cyber Security: Cyber Security, Security Architecture, IAM, SOC, Threat Intelligence,SIEM(Wazuh, OpenSearch, IBM QRadar), Splunk, Secure Software Development(Trivy, Sonarqube), VAPT , Nmap, Brup Suite, OWASP Top 10, OWASP ZAP, Metasploit

Other Technical Skills: Linux, Networking, Cloud(AWS[EC2, S3, IAM,Load Balancing, Auto Scaling, Security Groups, Route Tables, SES, Lamda, Cloud Front]), Git, Bit Bucket, Dockers and Containers, Web Development, System Administration, Active Directory Server

General Skills: Problem Solving Skills, Adaptive, Fast Learner, Communication, Decision Making, Leadership Skills, Multi-tasking

Participations

- Participated in CTF (Capture the Flag) Contest at SRM Cyber Carnival Organized by – *SRM University.*
- Participated in MTU Hackathon 2025