

# THULASI VEERARAGAVAN L

📞 9344582270 ✉ veeraragavan.dev@gmail.com 🔗 linkedin.com/in/thulasiveeraragavan 🌐 Portfolio

**SUMMARY** — Results-driven Software Developer with 1.8+ years of experience specializing in backend development (Rust, Actix Web), Android app development (Java), and POS machine applications (C, LVGL). Skilled in deploying scalable applications using Docker, NGINX, and AWS (SNS, CloudWatch). Experienced in message queue systems like RabbitMQ and integrating 3rd-party APIs (Twilio, Mailgun). Passionate about building high-performance, secure, and efficient software solutions.

## TECHNICAL SKILLS

**Programming Languages:** Rust, Java, C, Python  
**Backend Development :** Actix Web, API Development, WebSockets, NGINX  
**Cloud DevOps:** AWS (SNS, CloudWatch), Docker, RabbitMQ, CI/CD, Linux  
**Tools Technologies:** Postman, Git, LVGL for UI design

## PROFESSIONAL EXPERIENCE

### Software Developer (GI TECHNOLOGY PRIVATE LIMITED)

Aug 2023 - Present

- Developed and optimized backend APIs using Rust (Actix Web) for high-performance applications.
- Designed and deployed scalable microservices using Docker, NGINX, and AWS services (SNS, CloudWatch).
- Integrated message queues (RabbitMQ) to enhance real-time communication in distributed systems.
- Built and maintained POS machine applications with C and LVGL, ensuring a smooth UI/UX experience.
- Worked with 3rd-party APIs (Twilio, Mailgun) for SMS and email notifications.
- Improved application security and performance by optimizing database queries (PostgreSQL, MySQL).
- Led debugging and troubleshooting efforts, reducing system downtime by 40%.

## EDUCATION

### Anna University

*Bachelor of Engineering in Electronics and Communication*  
CGPA: 7.90 Year 2023

### Higher Secondary Certificate (HSC)

*Govt Higher Secondary School, Orantharayankudikadu.*  
Percentage: 77.33 Year 2019

### Secondary School Leaving Certificate (SSLC)

*Govt High School, Vellur.*  
Percentage: 93.4 Year 2017

### Certifications

- Java Programming Certification - Sri Sarabeswarar Education (Old NIIT), Tiruchirappalli.
- C Programming Certification- SCION Research and Development, Thanjavur.

## PROJECTS

### High-Performance Web API (Rust, Actix Web)

- Developed a secure and scalable API using Rust and Actix Web.
- Implemented rate limiting, authentication, and logging using CloudWatch.

### POS Machine UI (C, LVGL)

- Designed and developed POS machine UI with C and LVGL, improving user experience and performance.

### Speaker Diarization with Python and Django API

- Developed a Django-based API for voice diarization using Python, enabling speaker segmentation and analysis from audio files.