

THULASI VEERARAGAVAN

📞 9344582270 ✉ veeraragavan410@gmail.com 🔗 [linkedin.com/in/thulasiveeraragavan](https://www.linkedin.com/in/thulasiveeraragavan) 🌐 Portfolio

SUMMARY — Results-driven B.E. ECE graduate with strong skills in Java and Rust. 1 year as Junior Software Engineer, excelling in problem-solving and collaboration. Ready to apply expertise to drive innovation in software development.

TECHNICAL COMPETENCIES

Languages	Java, Rust, C++ , C
OS	Ubuntu, Windows
Tools and Technologies	Git, Gitlab, Postman, Nginx, Docker, Kafka, Flink, AWS, RabbitMq
Frameworks	Actix-web

RECENT EXPERIENCE

Junior Software Engineer (GI Tech)

June 2023 - Present

Building Web Server API using Rust

- Led the development of a robust Web Server API using Rust programming language.
- Designed and implemented RESTful endpoints for efficient communication with client applications.
- Utilized Rust's concurrency features to optimize server performance and scalability.
- Employed unit testing and documentation to ensure code quality and maintainability.

Android App Development using Java

- Led the development of an Android application using Java programming language.
- Collaborated with cross-functional teams to define requirements, design user interfaces, and implement features.
- Documented system configurations and procedures for knowledge sharing within the team
- Utilized Android SDK and other relevant technologies to create a user-friendly and responsive mobile application.

Lottery Game Development for POS Machine using C++ and LVGL

- Engineered a captivating lottery game for POS machines using C++ and LVGL.
- Designed and implemented game logic, user interfaces, and input/output functionalities.
- Integrated LVGL for creating visually appealing graphics and animations on the POS machine's display.
- Conducted extensive testing and debugging to ensure reliability and compliance with regulatory standards.

EDUCATION

Anna University

Bachelor of Engineering in Electronics and Communication

CGPA: 7.75 Year 2023

Higher Secondary Certificate (HSC)

Govt Higher Secondary School, Orantharakudikadu.

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

Operation Sea Sight

Mar 2022

- Developed a Java-based mobile application leveraging Firebase for real-time oceanic data retrieval.
- Designed intuitive user interfaces to display oceanic data in real-time, enhancing user experience.
- Integrated Firebase services for seamless data synchronization and efficient storage management.

Real-Time Dart Game Score Detection System

Oct 2024

- Developed a real-time scoring system for dart games using Python and OpenCV, leveraging computer vision techniques to detect dart hits and calculate scores based on dartboard zones (bullseye, double, triple).
- Integrated Hough Circle Transform for dartboard recognition and built an interactive GUI to adjust scoring ratios and game modes.