Thulasi Veeraragavan

📞 9344582270   ✉ veeraragavan410@gmail.com   in linkedin.com/in/thulasiveeraragavan   ⬡ github.com/Thulasiveeraragavan

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, 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

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.