

Maharajan S

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Objective

Final-year B.E. Computer Science and Engineering student (graduating 2026) with strong programming skills in Java, Python, C, and Dart. Seeking a Software Developer role to contribute to high-volume, low-latency, mission-critical systems by writing clean, efficient, testable code, participating in full SDLC, and driving performance improvements through debugging and technology evaluation.

Education

B.E. Computer Science and Engineering (2022 – 2026)
Thamirabharani Engineering College, Tirunelveli

Higher Secondary School Certificate (2021 – 2022)
Government Higher Secondary School, Pallakkal Pothukudi

Experience

Mobile App Developer Intern
Edu Tandr Pvt Ltd, Bangalore (June 2025 – July 2025)

- Built mobile applications using Flutter, Dart, and Firebase for Android and iOS platforms.
- Implemented reusable UI components and integrated Firebase authentication and cloud data storage.
- Improved debugging efficiency using logs, breakpoints, and error tracing to resolve runtime issues.
- Gained hands-on experience in product-based development, version control, and clean architecture.

Projects

Predictive Maintenance for Machines *Python, Tkinter, scikit-learn*

- Developed a GUI-based desktop application to predict machine failures using ML models and synthetic sensor data.
- Implemented modular backend logic for data preprocessing, prediction pipeline, and alert generation.
- Added PDF/Excel report export using FPDF and pandas to support industrial-style documentation.
- Performed systematic debugging and error tracing to ensure reliable execution and smooth UI performance.

Weather Application *Flutter, REST APIs, Geolocator*

- Built a cross-platform weather app that fetches real-time weather data through REST APIs.
- Integrated Geolocator for automatic location detection and ensured responsive UI updates.
- Applied clean architecture principles and improved code maintainability using proper state management.
- Tested API responses, handled exceptions, and resolved runtime errors to enhance performance stability.

Skills

Programming Languages: Java, C, Python, Dart

Core Skills: Data Structures & Algorithms, OOP, Debugging, SQL, REST APIs

Technologies: Flutter, Firebase, Node.js

Tools: Android Studio, VS Code, Git, GitHub, Figma, Photoshop

Soft Skills: Time management, adaptability, quick learning, communication

Coursework

Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, DBMS, Computer Networks, Software Engineering