# JAYASHREE VR

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## Career Objective

A motivated and flexible engineering student looking for chances to use technical and problem-solving abilities in a fast-paced workplace. Devoted to lifelong learning and making valuable contributions to the success of the team and the organization.

## Education

**KGISL Institute of Technology, Coimbatore** 2022 - 2026

B.E. Electronics & Communication Engineering CGPA: 8.74

**Vidyaa Vikas Matric Higher Sec School, Coimbatore**

- HSC: 91.83% 2022
- SSLC: 97.6% 2020

## Skills

- **Programming Languages:** Java, C, C++
- **Web and Database Technologies:** HTML, CSS, JavaScript, Spring Boot, MySQL, Firebase
- **Tools:** VS Code, Intellij IDEA, Eclipse, Git/GitHub, Arduino IDE, KiCAD, Eagle, Matlab
- **Soft Skills:** Team collaboration, Problem-solving, Time management

## Projects

**SmartDine (Full Stack + AI)**

- Engineered a sophisticated AI recommendation engine utilizing Spring Boot to suggest personalized dishes based on complex user descriptions and natural language prompts. Integrated an intelligent mapping system that translates subjective user cravings into specific menu items by analyzing keyword patterns and sentiment.
- Developed a high-performance JavaScript dashboard featuring real-time cart management and automated price calculations, focusing on a seamless and responsive user experience that streamlines the entire food selection process. Optimized API response times between the Spring Boot backend and MySQL database to ensure instantaneous feedback during the ordering workflow.
- **Tech Stack:** HTML, CSS, JavaScript, Spring Boot, MySQL.

**PhysioTrack - Wearable Rehab Tracker (Full Stack + IoT)**

- Developed a sophisticated ESP32 and MPU6050 based wearable device designed to monitor real-time joint angles and automate exercise repetition counting with high precision. Implemented signal processing logic in Embedded C to filter raw sensor data and detect movement patterns accurately.
- Integrated a robust Web dashboard to provide therapists and patients with live progress monitoring and detailed data history, significantly enhancing the effectiveness of remote rehabilitation and recovery tracking. Established a real-time data pipeline to bridge the gap between hardware sensors and the frontend interface.
- **Tech Stack:** HTML, CSS, JavaScript, Firebase, Embedded C.

## Competitions & Presentations

- **Paper Presentation (2025):** AI Powered Energy Monitoring System, CIT, Coimbatore
- **TnWISIE Hackathon (2025):** AI Powered Energy Monitoring System, KCT, Coimbatore
- **Mini Drone Competition (2024):** MathWorks