

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 organisation.

Education

B.E. Electronics & Communication Engineering

KGSL Institute of Technology, Coimbatore

May 2026

CGPA: 8.74

Vidya Vikas Matric Higher Sec School, Coimbatore

HSC: 91.83%

2022

SSLC: 97.6%

2020

Skills

- **Programming Languages:** C, C++, Java
- **Embedded systems design and Electronic:** Microcontroller, PCB layout & development
- **Tools:** MATLAB, Arduino IDE, VS Code, KiCad, Eagle
- **Soft Skills:** Team collaboration, Problem-solving, Time management

Internship Experience

PCB Design Intern - Enthu Technology Solutions, Coimbatore — June 2025

- Designed single- and multi-layer PCBs in **Autodesk EAGLE**, enhancing design efficiency through optimized component placement and routing.
- Strengthened board reliability by applying proper grounding techniques, signal integrity practices, and conducting thorough **DRC checks**.
- Delivered complete documentation (Gerber files, schematics, BOMs), improving coordination between design and manufacturing teams.

Projects

- **PhysioTrack** – IoT wearable for physiotherapy monitoring, tracking exercises & joint movements with a web dashboard.
Tools: MPU6050, ESP32, Firebase
- **Hospital Management System** – Doctor scheduling module for optimized shift management.
Tech Stack: HTML, CSS, MERN
- **AI-Powered Energy Monitoring System** – ESP32-based tracker with real-time monitoring & ML-driven forecasting.
Tools: PZEM-004T, ESP32, Blynk, ThingSpeak
- **Indoor Weather Mimicker** – Displayed sensor-based weather patterns on 8×8 LED matrix.
Tools: ESP32, BMP280, DHT22, LM393

Certifications and Participations

- NPTEL – Medical Image Analysis (4 weeks), Feb 2025
- VLSI Design – NIELIT
- Embedded Systems – NIELIT
- 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