




# YASVANTH A

📞 8870338754  
✉️ shivayasvanth20@gmail.com  
📍 3/726,Thangamedu, Vellakovil,  
Tiruppur(DT) -638111

 <https://github.com/yasvanthsi>  
va?tab=repositories

 <https://leetcode.com/problemset/>

 <https://www.linkedin.com/in/yasvanth-a-917979328/>

## ABOUT ME

I am an Electrical and Electronics Engineering student with interest in both hardware and software. I have skills in Java, SQL, and Embedded C with project experience. I enjoy creating practical solutions that connect electronics and software.

## EDUCATION

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING VSB Engineering College, Karur CGPA: 7.9/10	2022-2026
HSC-Govt. Higher Secondary School, Pdhuppai 76.66%	2021-2022
SSLC – Govt. Higher Secondary School, Pdhuppai 77.66%	2019-2020

## SKILL

- Programming: Java
- Backend: Spring Boot, SQL
- Frontend: HTML, CSS, JavaScript
- Database: MySQL
- Tools & Platforms: Unity, Git, GitHub
- Core Electrical Skills: Embedded Systems, MATLAB Simulation

## PROJECTS

### Game Development – Rising Bird (Unity)

- Created a 2D mobile game using Unity where the player controls a bird that must avoid obstacles and collect points to increase its score.
- Designed the game environment, character animations, and background sounds to enhance user engagement.

### Smart Earthing System – SIH Project

- Developed an IoT-based ground fault current interruption system to enhance earthing safety and reliability.
- Designed the system to monitor and detect abnormal fault currents in real time, improving electrical protection and maintenance efficiency.

### Smart Vehicle Service Booking System

- Developed a Spring Boot backend for a web-based vehicle service management platform.
- Implemented modules for user authentication, vehicle management, service booking, and history tracking using RESTful APIs integrated with MySQL.
- Designed a user-friendly service dashboard with automated maintenance reminders, ensuring efficient booking flow and secure data handling.

## Piezoelectric Energy Harvesting System

- Designed a hybrid energy harvesting unit that converts mechanical vibrations and pressure into electrical energy using piezoelectric sensors.
- Connected multiple piezoelectric sensors in series and parallel combinations to optimize voltage and current output.
- Integrated the generated power with a rectifier and voltage regulator to store energy efficiently in a rechargeable battery.

## INTERNSHIP EXPERIENCE

### Java Developer Intern – e-Soft IT Solution, Trichy

- Developed and maintained Java-based applications.
- Collaborated with senior developers in Agile sprints.
- Enhanced debugging, optimization, and version control skills.

## ACHIEVEMENTS & CERTIFICATIONS

- NPTEL Certifications in Java & Embedded C.
- Paper Presentation – Humans and Machines Interaction at KSR Engineering College.
- Completed Unity projects.

## AREA OF INTREST

- Java Programming for problem solving and application building
- Core Electrical side → DC Motors

## EXTRA-CURRICULAR & INDUSTRIAL VISITS

### 1.Industrial Visits:

- e-Soft IT Solution, Trichy
- 440kV/220kV Power Grid (PGCIL), Paramathi, Karur

### 2.Participation in technical workshops and hackathons.

## SOFT SKILLS

- |                   |                   |
|-------------------|-------------------|
| • Problem-Solving | • Adaptability    |
| • Teamwork        | • Time Management |
| • Communication   |                   |

## DECLARATION

- I hereby declare that all the information provided above is true to the best of my knowledge and belief.