AALAGA VINAY BABU

CONTACT

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- Eluru , Eluru city

OBJECTIVE

Motivated and enthusiastic **Electronics and Communication Engineering** student with strong programming and problem-solving skills. Passionate about **IoT**, **Embedded Systems**, and innovative projects. Aspiring to build a career in the Semiconductor industry

EDUCATION

- **B.Tech, ECE** | Sir C R Reddy College of Engineering, Eluru (2022–2026) | CGPA: 7.98
- **Intermediate (MPC)** | Narayana College, Eluru (2020–2022) | Percentage: 89.9%
- **10th Class** | Amalodbhavi St Mary's Highschool, Eluru (2020) | Percentage: 95%

SKILLS

- **Programming Languages**:Python (Certifiedby EdX),Java
- **IoT & Embedded Systems**(Certified by MSME): Arduino Programming, Sensor Integration, Circuit Design
- **Professional:** Team Leadership, Event Coordination, Technical Communication, Problem-Solving
- **Soft Skills:** Communication, Teamwork

INTERNSHIP EXPERIENCE

- Python Programmin (Online) | BIST TECHNOLOGIES
- Verilog RTL Design frontend (Online) | BIST TECHNOLOGIES

PROJECTS

- **IoT based fall detection and prevention in elderly with AI**(MSME) : It is an IoT based device which uses **Arificial Intelligence** and **Machine Learning** algorithms to learn and adapt to falls and eventually it will detects and prevents the falls by giving an alert.

- **IoT based smart helmet** : A smart helmet system which ignites the engine only if the rider is wearing the helmet

- **Solar Energy** :A community service project on SOLAR ENERGY

- **Li-Ion battery charger circuit**: PCB Designed (mini project)

LEADERSHIP & RESPONSIBILITY

- Leading a 5-member team in developing an IoT based smart helmet as part of the final-year project

- Member of the **Research and Development (R&D) committee** |Sir CR Reddy College of Engineering| Conducted and participated in academic collaborations, multiple technical events and workshops.