PRASHANT MENI

Student

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ABOUT ME

A dedicated Electronics and Communication Engineering student with hands-on experience in IoT-based projects and a strong
foundation in programming and electronics. Passionate about developing innovative solutions to real-world problems, with a keen
interest in entrepreneurship and technology.

EDUCATION

B.E, ELECTRONICS AND COMMUNICATION 2024-2027
CMR Institute of Technology, Bangalore

DIPLOMA, ELECTRONICS AND COMMUNICATION 2021-2024
Government Polytechnic, Rabakavi Banhatti
CGPA: 8.00/10

SKILL

- Python
- Arduino
- CSS
- Internet of Things (IoT)
- Web development
- Circuit Design
- HTML
- Pcb Design

WORK EXPERIENCE

Trainee – Supplier Quality Management (MLB-SQM) • Internship **JAN 2024 - APR 2024**

- TATA Electronics Pvt. Ltd., Narasapura
  Learnt and assisted in supplier quality processes related to Multi-Layer Board (MLB) components.
  - Supported inspections, defect tracking, and quality audits within the SQM department.
  - Coordinated with cross-functional teams for process documentation and supplier follow-up.
  - Gained hands-on experience with quality tools and reporting systems in a manufacturing environment.

PROJECTS

Smart Home Automation System using Arduino

- May 2023 - Jun 2023

A Smart Home prototype built using Arduino integrates automation and safety features like an ultrasonic sensor for automatic gate operation, LDR-based automatic street lights, a rain sensor with buzzer alert, and a smoke/gas sensor for hazard detection. The system enhances convenience and security through sensor-based automation, aiming to simulate real-world IoT-based smart housing.

IOT based agri monitor system

- Oct 2024 - Nov 2024

This IoT-based system uses Arduino and ESP8266 to monitor plant health and detect diseases in real time. The project features: Remote Monitoring through a user-friendly web app built with Flask. Cost-effective and scalable solution tailored for farmers. Designed to empower farmers with better connectivity and agricultural insights. This project aligns with my passion for blending technology and innovation to address real-world challenges. Looking forward to exploring more ideas in the AgriTech space!

Alternative communication device for PWD using Micro:Bit

- Feb 2025 - May 2025

"Alternative Communication for PWD Using micro:Bit"! This project aims to empower persons with disabilities by providing an accessible and affordable way to communicate using micro:Bit technology.