




MADHAVI LATHA MULE

CONTACT

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OBJECTIVE

Passionate Embedded Engineer with 1 year of experience working on Arduino, STM32, and ESP Microcontrollers. Seeking an opportunity to apply my skills in programming, hardware interfacing, in a dynamic and challenging environment

EXPERIENCE

May,2024 - Present

- **Embedded Engineer**
Young Minds Technology Solutions Pvt Ltd
 - Designed and implemented Embedded systems using Arduino UNO, ESP32, and STM32 Microcontrollers.
 - Interfaced a variety of sensors and modules including DHT11, ultrasonic sensors, GPS, GSM, Relays, and LCD.
 - Created IoT-based prototypes and uploaded sensor data to platforms like Thingspeak
 - Integrated communication protocols like UART, SPI, I2C and Wi-Fi for communication.

EDUCATION

2023

- **Bachelor of technology**
G pullaiah college of engineering and technology
8.7

2019

- **MPC**
Sri Chaitanya Junior College
9.04

2017

- **SSS**
Narayana E.M School
9.5

HARDWARE SKILLS

- Arduino Microcontroller
- ESP Microcontroller
- STM32 Microcontroller

SOFTWARE SKILLS

- Embedded C
Arduino IDE
Proteus
C language
C++ language
UART,SPI,CAN communication protocols

PROJECTS

- Dual Axis Solar Tracker
- Energy efficient smart street Light System based on Pulse Width Modulation and Arduino
- Battery Management system and charger monitor using STM32
- Smart Waste Management System using IOT
- Wireless power transfer electric vehicle charger using Solar energy

HOBBIES

- Listening to music
- Photography
- Cooking

CO-CURRICULAR ACTIVITIES

- Took part in a Circuit Design Challenge during the E-Veda Technical Symposium.
- Contributed as a Volunteer during college events.

LANGUAGES

- English
- Telugu
- Hindi

PROFESSIONAL COURSE

- Post graduate diploma in Embedded systems design and development at Indian institute of Embedded Systems - IIES, Bangalore

STRENGTHS

- Time Management
- Adaptability
- Quick Learner

