

ENDLA RAJESH

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SUMMARY

Intend to build a career with leading corporate of hi-tech environment with committed & dedicated people, which will help me to explore myself fully and realize my potential.

EXPERIENCE

2024 - Present

Gurgram

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Embedded Software Engineer

Rhine Intelligence LLP

- Proficient in ESP32 and STM32 microcontroller boards, specializing in firmware development and system integration.
- Experience with UART, SPI, I2C, and RS485 Modbus protocols, ensuring efficient data exchange in embedded systems.
- Designed, developed, and tested EV AC chargers, emphasizing functionality.
- Skilled in utilizing FreeRTOS for multitasking applications and proficient with Espressif's ESP-IDF for streamlined firmware development and debugging.

EDUCATION

2018 - 2022

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B Tech (ECE)

Vaagdevi College of Engineering,Warangal

2016 - 2018

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Higher Secondary

Ekashila Junior College

2015 - 2016

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S.S.C

Jaya Bharathi E/M School

COURSE

Embedded Software

Radar

Completed an Embedded Software course, gaining proficiency in C programming, data structures, and microcontroller programming. Learned to design and implement real-time systems, interface with hardware, and debug embedded applications for various applications like IoT and automation.

SKILLS

C programming	Embedded C		OS	Data Structures		C++	RTOS	
Protocols	UART	SPI	I2C	CAN	RS-232	RS485	Modbus	Web Socket
Microcontrollers	ESP32	Arduino Nano		STM32				

PROJECTS

Developed OCPP Communication for Charger

- Implemented OCPP protocol on ESP32 to enable seamless communication between EV chargers and the Central System (CSM).
- Created a web page hosted on ESP32 using WebSocket for charger configuration.

Automatic Fault Detection for Street Lights using Arduino Nano and NodeMCU

- Implemented an innovative Automatic Fault Detection system for Street Lights using Arduino Nano and NodeMCU, leveraging the power of IoT (Internet of Things) technology.
- The project aimed to enhance the efficiency of street light management by remotely monitoring and detecting faults in the lighting system, thereby reducing maintenance costs and improving overall operational effectiveness.