

JAKKAMPUDI REVATH SAI KIRAN

Mobile No. : +91 9533606803

B. Tech (Electronics & Communications)

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Hyderabad, Telangana.

Career Objective

Seeking a challenging position with an organization, providing the opportunity to make a strong contribution to organizational goals through continual development of professional & managing skills and succeed.

Professional Summary

Experience in Embedded Software modules implementation using Embedded C as per MISRA C guide lines.

Having a good Knowledge on 8051 & ARM7TDMI microcontrollers, its peripherals & it's development tools.

A team player with analytical, debugging skills and ability to meet deadlines.

Knowledge on basic LINUX,IPC techniques and SOCKET programming .

Technical Skills

Programming Language	: Embedded C, Cpp.
Operating Systems	: Windows & LINUX.
Processors / Controllers	: 8051- AT89C51, ARM7TDMI-LPC2148.
Standards/ Protocols	: SPI, I2C ,CAN& UART
Interfaces Used	: Rs232 & 485.
Compilers / IDEs	: GCC, KEIL µVision IDE (for ARM based micro controllers), Flash Magic (for program downloading).
Emulators/Debuggers	: PROTEUS 8 circuit simulator
Measuring Tools	: CRO, Multi-meter & Thermal imagers.
Devices/Peripherals	: GPIO, Timer, ADC, RTC, LCD, Keypad, 7-seg, GSM & GPS.
Sensors Interfaced	: Light, IR, Temperature, Humidity.

Projects Details**Project # 1: GSM Based Home Automation (Scheduling Facility)**

Description: Based on the Messages sent from our smart devices (mobile, laptop/PC & Tablet), we can control Home Appliances like Light, Fan, Motor etc., It is done by interfacing a GSM module to UART of Controller. A short keyword based protocol is used to process & control the appliances. It will check the received messages and perform operations based on input strings. By scheduling we can able to ON & OFF out appliances based on scheduled time.

Team Size: Individual

Tools & Development Environment:

- Development tool : Keil uVision, Proteus.
- Controllers used : ARM7TDMI.
- Hardware/peripherals : GSM module, Light, Motor Driver (L293D), Cellular Device.

Project # 2 Automatic vehicle accident detection with messaging using GPS&GSM

Role : Team Lead

Project Description:

- This project works based on ARM. which is used to detect the accidents where it was done & tracing the location and gives to a nearest hospitals and police stations. then we can take immediate actions.
- In this GPS&GSM is used for location tracing and sending that information to them.

Project # 3 Automatic light controller using 7806Ic

Role : Team Lead

Project Description:

The Automatic light controller is works based on 7806IC. This project used for automatically controlled a switches like a street lights. it contains works a mainly two components i.e; LDR & relay switch in this circuit projects from high voltages. and it reduces power consumption.

Educational Qualifications:

Percentage	Year Of Passing	Board/Institution	Course
67%	2017	WISE Engineering college, Prakashrao Palam	B. tech (ECE)
75.6%	2014	MRK polytechnic,veeravasaram	Diploma in Electronics
76.5%	2011	Municipal high School	S.S.C

Personal Details

Date of Birth : 03-08-1995
Father Name : Jakkampudi venkata subbarao
Mother Tongue : Telugu
Nationality : Indian
Languages : Telugu, English
Address : Dr.no 4-163-1,sanjay nagar,tadepalligudem
West Godavari (Dt), Andhra Pradesh-53410

Declaration:

I hereby declare that the above particulars are true to the best of my knowledge and belief.

Place:

Date:

Signature

(J.REVATH SAI KIRAN)