

CURRICULUM VITAE (CV)

MALIGAPOGU VIKAS

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OBJECTIVE:

I am looking for a position as an embedded engineer that will enable me to use my skills to design efficient algorithms for embedded applications.

PROJECTS DONE IN EMERTXE

Stenography project: Implementing the hiding information using the LSB mechanism

Developed and implemented a Least Significant Bit (LSB) Steganography project in C, enabling secure data hiding within digital images. The project involved embedding secret messages into the least significant bits of image pixels, ensuring minimal distortion and maintaining image quality. Designed and coded algorithms for encoding and decoding hidden messages within bitmap images.

Technologies Used: Advanced C programming – File operations, Pointers, Functions, Command Line arguments.

Car Black Box Project: A black box implementation in an automotive system is used to log important activities. This will facilitate proactive vehicle monitoring and maintenance.

Embedded C programming, functions, arrays, and structures were used to implement this project.

Dealing with microcontrollers PIC16F877A and various peripherals.

Tools Used: MPLABX IDE, PICSIMLAB, XC8 Compiler.

Microwave Oven: A Microwave Oven, is a kitchen appliance an electric oven that heats and cooks food by exposing electromagnetic radiation in the microwave frequency range.

Dealing with microcontrollers PIC16F877A and various peripherals.

Tools Used: MPLABX IDE, PICSIMLAB, XC8 Compiler.

TECHNICAL SKILLS

- C Language and C++
- Handling Micro-Controllers PIC16F877A (Using Embedded c programming).
- Hands-on Linux Application and Commands.
- Hands-on Data Structures.
- Hands-on MPLABX IDE, PICSIMLAB, XC8 Compiler, and GCC compiler.
- Hands-on communication protocols (I2C, SPI, CAN, UART).

EDUCATIONAL DETAILS

COURSE	STREAM	COLLEGE	UNIVERSITY	DURATION	PERCENTAGE
B. TECH	ECE	G.Pulla Reddy Engineering College (Autonomous)	JNTU ANANTHAPUR	2015-2018	55%
DIPLOMA	ECE	GMR Polytechnic College	STATE BOARD OF TECHNICAL EDUCATION	2012-2015	71%
SSC	-----	APSWR School	BOARD OF SECONDARY EDUCATION.	2011-2012	60%

PERSONAL DETAILS

Name : MALIGAPOGU VIKAS
Date of Birth : 16-07-1996.
Nationality : Indian.
Languages Known : English, and Telugu.
Address : H.NO:8-130, Abbas Nagar, Kurnool.

DECLARATION:

I hereby declare that the information given above is true to the best of my knowledge

Date :

Signature:

Place :

M.Vikas