

MALLA BHARAT KUMAR

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OBJECTIVE:

Seeking a position in a dynamic organization where I can launch my work towards building a strong skill set.

EDUCATION:

- **B. Tech (ECE):** Raghu Institute of Technology (2017-2021), Visakhapatnam., 7.1 CGPA
- **Intermediate(M.P.C):** Sri Chaitanya Junior College, Visakhapatnam.(2015-2017), 8.9 CGPA

SKILLS:

- HTML
- CSS
- Embedded systems
- C Language
- Python
- Microcontrollers & Microprocessors

PROJECT:

FRACTAL ANTENNA FOR GSM APPLICATIONS

- Its main aim is to transmit and reception of electromagnetic signals by antenna.
- Fractal antenna is a type of antenna designed to maximize the effective length of the antenna which transmits and receives the electromagnetic signals.
- In this we design fractal antenna by software called High frequency structure simulator.
- HFSS is used for designing of high frequency and radio frequency electronic components.
- We design this fractal antenna in microstrip patch antenna.
- As a result we produce properties of antenna like radiation pattern, VSWR, gain, return loss.

Applications of Fractal Antenna are:

- Wireless Communications.
- Military and defense.
- Medical Devices.

Automations of Home Appliances Using Bluetooth Module.

- In this Arduino project, we will create a home automation system that will control home appliances via HC-05 Bluetooth and an Android application. HC-05 Bluetooth will be used to communicate with Arduino using an Android. There are also other apps but this is free and easy to use. To establish a Bluetooth connection, we will use the HC-05 Bluetooth module.
- **Software Requirements:** Arduino IDE .
- **Languages:** C- Language .

INTERSHIPS:

- **MSME TECHNOLOGY:** Currently pursuing the course on Embedded and IOT Full Stack Analyst.
- **TOOLS USED:** Keil $\mu 4$, Proteus, Arduino IDE.
- **MICROCONTROLLERS:** LPC2148, 8051 Microcontrollers ,Arduino.
- **PROTOCOLS USED:** RS-232, UART, SPI and I2C.
- **LANGUAGES:** C-Language, Python, Embedded-C.

EXPERIENCE:

- **ZENSER TECHNOLOGIES**

Position: Junior Software Engineer (Mar, 2022 to Aug , 2022)

Primary Responsibility: Web Developer using MVC .Net

STRENGTHS:

- Good communication skills
- Hard working and self-motivate
- Time Management
- Team Work

LANGUAGE:

- English
- Telugu

DECLARATION:

- I do hereby declare that the above information is true to the best of my knowledge.

Date:

Place:VISAKHAPATNAM

(M BHARAT KUMAR)