SAI CHARAN REDDY M

Enthusiastic, reliable, responsible.

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OBJECTIVE

To become a member of the core team, where I can contribute my domain knowledge skills and progressive attitude towards consistent growth of the organization.

EDUCATION

2017 –21	**Kumaraguru College of Technology, Coimbatore.** Autonomous, Anna University B. E. Electronics and Communication Engineering - 8.43
2017	**Sri Chaitanya Junior College, Tirupati.** HSC - State Board - 98 %
2015	**Sri Chaitanya Techno School, Tirupati.** SSLC - State Board - 88 %

SKILLS

Areas of Interest : Digital System Design, Embedded Systems, IOT

Programming : C Programming, MATLAB, Python, SQL

Language

PROJECTS

1. Desktop controlling using hand gestures **Completed**

We will place two ultrasonic (US) sensors om top of our monitor and will read the distance between the monitor and our hand using Arduino, based on value of distance we will perform certain actions. To perform actions on our computer we use Python **pyautogui** library. The commands from Arduino are sent to the computer through serial port (USB). This data will be then read by python which is running on the computer and based on the read data an action will be performed.

2. Ohmic Meter **Completed**

We find it difficult to read color codes on resistors to find its resistance. In order to overcome the difficulty of finding the resistance value, this is going to build a simple Ohm Meter using Arduino. The basic principle behind this project is a Voltage Divider Network. The value of the unknown resistance is displayed on 16*2 LCD display. This project also serves as 16*2 LCD display interfacing with Arduino.

3. Object Identifier **In-Progress**

This is to explore different methods for helping computers interpret the real world visually, investigate solutions to those methods offered by the open-sourced computer vision library, OpenCV, and implement some of these in a Raspberry Pi based application for detecting the objects. The main focus rests on the practical side of the project. The result of this project is a GNU/Linux based C/C++ application that is able to detect and identify objects by reading the pixel values of frames captured by the Raspberry Pi camera module. The application also transmits some useful information, such as coordinates and size, to other computers on the network that sends an appropriate query.

PAPERS AND WORKSHOPS

Presented a paper on “ARTIFICIAL INTELLIGENCE” conducted by inter colleges held at Kumaraguru College of Technology.

Attended printed circuit boards (PCB) workshop at kumaraguru college of technology.

AWARDS AND ACHIEVEMENTS

- 1st position in paper presentation on Artificial Intelligence.
- Active member in Fantastic Forty Program.
- Co-ordinator of YUGAM Marketing and Outreach.
- Certified MATLAB course from Coursera with A grade.

DECLARATION:

I hereby declare that all the information furnished above is correct to best of my knowledge.