DONDLA SANDESH REDDY

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EDUCATION

- Masters in computer science — 3.9 GPA (Until 1st Semester)
  University of Massachusetts, Lowell, Massachusetts - Expected Graduation – Dec 2023.
- Bachelor's of Technology (Electronics and Communication Engineering) - 6.9 CGPA
  JAWAHARLAL NEHRU TECHNOLGICAL UNIVERSITY, HYDERABAD , INDIA

TECHNICAL SKILLS

- Scripting Languages: JavaScript
- Mark up Languages: HTML, CSS.
- Frontend Framework: Bootstrap.
- JavaScript Library: React
- Programming Languages: Python, C.
- Databases: MongoDB.
- Operating Systems: Windows, Mac.
- Others: Microsoft office, Arduino.

ACADEMIC PROJECTS

Electronics Cooperation of India Limited (E.C.I.L)   **May 2019 – June 2019**
TEMPERATURE AND HUMIDITY SENSING USING IOT:

- Collaborated to develop an electronic device that can sense the temperature/ humidity difference and using Arduino as your microcontroller.
- Then Wi-Fi module to set up the internet connection. And a DHT sensor (Digital Humidity Temperature sensor) that can detect the temperature differences should be integrated to the system.
- The sensor will sense the temperature changes constantly and send the data to the microcontroller.

Course Oriented Projects

A GLOVE THAT TRANSLATES SIGN LANGUAGE INTO SPEECH   **Oct 2020 -Dec 2020**
Communicating with a silent person can be a bit tedious at times. The primary goal of this project is to ensure that the daily communication between individuals with disabilities and non-disabled people is free of misconceptions and difficulties. In this project, we use American sign language characters and assign predefined values to each alphabet and number. A flex sensor and accelerometer are then used to measure tilt in the palm and the fingers. These sensors measure the curvature in the palm and fingers, and based on the curvature value, the Arduino Nano microcontroller recognizes which set of predefined values represents which symbol and transmits the corresponding result value to the Android app via Bluetooth. The transmitted decoded message is displayed on the screen with a voice over.

SMART ATTENDANCE SYSTEM USING FACIAL RECOGNITION WITH THERMAL SCREENING   **Feb 2021 -May 2021**
In this project, we have developed a Smart Attendance system that uses facial recognition in conjunction with the Thermal Screening. Initially each employee/student image will be captured (using a pi camera) and stored in a database, along with details such as name, roll number, and time. If anybody tries to enter the class/office with a high temperature, a buzzer will sound to alert the appropriate staff, and the doors will be shut down using a servo motor. The attendance data is monitored and communicated to the respective class representative via the mail system.