

SHREYAS M

shreyasmedu@gmail.com | +91 7019266380 | 12th Cross SIT, Tumkur 572103

Linkedin | HackerRank | Projects

EDUCATION

Siddaganga Institute of Technology, Tumkur

Electrical and Electronics Engineering BE

CGPA: 8.3

Tumkur, Karnataka

December/2021 - March/2025

Ascent PU college, Hiriya

PCMB Pre University

Percentage: 90%

Hiriya, Chitradurga, Karnataka

August/2019 - August/2021

Rastriya Academy School, Hiriya

Degree in SSLC

Percentage: 95.04%

Hiriya, Chitradurga, Karnataka

July 2018 - June 2019

EXPERIENCE

IEEE SIT SB | Data Science Lead

Decoders SIT | Member

SKILLS

Programming Languages: C, C++, Python, Embedded C, Assembly
Libraries/Frameworks: Flask, Django, FastAPI, Pandas, Numpy, pynput
Tools / Platforms: Keil microVision4, Keil microVision5, Arduino IDE

PROJECTS / OPEN-SOURCE

Voice Controlled Wheelchair having control over rotation angles and motion-speed

Arduino,

Embedded C, MIT-APP inventor, Gyroscopic sensor, HC-05 Bluetooth

This project aims on providing extra control of an individual over the wheelchair.

- Using **Gyroscopic and Accelerometer sensor**, the Person in need can control the wheelchair to rotate in accurate angles.
- Using **Algorithms and Pulse Width Modulation** of Voltage, accelerating or deaccelerating wheelchair in wide range can be achieved.

Electric Socket control using ESP8266 (smart home automation)

ESP8266, Websockets, Arduino

IDE

Smart Socket uses a ESP8266 and 230V relay to control and monitor ON-OFF status of Sockets

- establish ESP8266 as Access station, connect with localhost Web interface to control ON-OFF sockets.
- later interfaced with **Blynk** app for long range control.

Technisium 2023 Website Backend development

Django, Python, google-sheets API

Technisium a technical fest has a dedicated website for registration and to display event details.

I worked in designing *backend development* with *web framework Django*. My contributions are as follows:

- Updating the registered data in SQLite database
- Automating a function to Mail the registered candidates with relevant information and to update their information in Google sheets

HONORS & AWARDS

- 1st Place in internal Smart India Hackathon 2023 at SIT, Tumkur.
- 1st Place in Arduino Trap - Microcontroller competition at SIT, Tumkur.
- Awarded as Website Lead in TECHNISIUM 2023 for the contribution in website development.