SHREYAS M

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

Linkedin | HackerRank | Portfolio

EDUCATION

Siddaganga Institute of Technology, Tumkur   Tumkur,Karnataka
Electrical and Electronics Engineering BE   December/2021 - March/2025
CGPA: 8.6

Ascent PU college, Hiriyur   Hiriyur, Chitradurga, Karnataka
PCMB Pre University   August/2019 - August/2021
Percentage: 90%

Rastriya Academy School, Hiriyur   Hiriyur, Chitradurga, Karnataka
Degree in SSLC   July 2018 - June 2019
Percentage: 95.04%

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 relavant 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.