MOHAMMED FUZAIL

Engineering student with expertise in C, C++, Python, and PCB editing, seeking a role to apply my skills in programming and electronics to innovative projects and contribute to a dynamic team. Always eager to collaborate and learn, with a drive to contribute to advancements in the field.

www.linkedin.com/in/Mohd-Fuz20 mohd.fuzu@gmail.com +91 8296601465

SKILLS

Technical Skills

- C/C++ programming
- Python
- PCB -Designing & Analysing
- HDL programming
- Matlab programming
- Cadence tool

Interpersonnel Skills

- Decisive decision-making
- Communication
- Critical thinking
- Creativity
- Leadership & teamwork

Training & Certificates

- MAGNOVITE 2023,1st place in sparkathon conducted in Christ university , Bangalore
- SAMARTHYA 2023,3rd place in idea presentation conducted in SJEC
- PRIME 2023 - participation
- HDL Verilog course Bootcamp
- IPR Bootcamp , insight into patent rights
- IBM Course in ML using python
- Salesforce administrators course

Education

BE- Electronics & Communication Engineering (2021-2025)
St Joseph Engineering College, Mangalore - 9.03 CGPA

12th grade (PCMB) (2020-2021)
Lourdes Central School , Mangalore - 87.4%

10th grade (2018-2019)
Lourdes Central School Mangalore - 83.6%

MINOR PROJECTS

- Line follower (using arduino)
- Blind man stick beeper (using arduino)
- Iot model for rc vehicl
- Use of tmc4123 microcontroller to control traffic system
- Diabetes prediction model
- Tic-tac-toe game using python
- Wind-turbine using matlab

MAJOR PROJECTS

- **Sign to speech conversing gloves.** March -June 2024
  Able to construct and design a glove that could take hand gestures via sign language as input using flex sensors and give audio speech using speaker via SD card module, utilising Arduino IDE.
- **IOT Petfeeder** June -October 2022
  Designed ,3D parts of project using CAD and also an efficient code using Arduino IDE for displaying time and a release mechanism for food for the pet using servo motors,LCD display.
- **PID for Bot** Jan -April 2023
  Developed a PID mechanism for a bot " **curio** ",so as to fix the path taken using encoders and motor drivers . Accomplished using IDE, and integrated with ROS.

INTERNSHIPS

St Joseph Engineering College Oct-Nov 2022

Gained comprehensive engineering knowledge: developed websites using WordPress (CSE); conducted land surveys and studied stones and minerals (Civil); calculated electric load and power consumption, and learned about 2-way/3-way switches, adders, and trainer kits (EEE)

Interpe Oct-Nov 2023

Developed games using Python, including Rock-Paper-Scissors and Snake, and implemented a real-time clock (RTC) timer. Strengthened skills in using the random function for game mechanics.

ACHIEVEMENTS

- Member of the club ARC (Automation and Robotics Club), Jan-May 2023 where we developed PID (Proportionate Integrator Derivative) for a Bot that can correct it's path using encoders.
- Taken part in Magnovite-Sparkathon event conducted in Christ University ,Bangalore(2nd March 2023) and also achieved 1 st place.
- 3rd place in Electrovation event , held by SJEC (13th Jan 2024), and being funded for our project.