Muhammad Sohaib Raza

Electronic Engineering and Data Science Intern
sohaibr126@gmail.com | 03489412674

An aspiring engineer strudent who enjoys connecting to real life problems. I have expectional technical skills and an acedamic background in electronic engineering with good experience in MATLAB

Professional Experience

Heavy Industries Taxila (HIT)   **07/22 - 08/22**
Electronic Intern

- Designed an automated small tank prototype using arduino and pcb to demonstrate that unique ways can be applied to reduce space used in tank by electronics. Pcb and arduino can be used instead of old large sx sfc boards inside the tank.

Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology   **09/19 - 09/23**
Bsc Electronic Engineering

Projects

Bionic Arm Interfacing Using Emg Signals (FYP)   **10/22 - 03/23**

- Three emg sensors were used to measure muscle activity in different muscles of forearms.
- Data was collected and processed through labview
- Applied svm model to predict gestures with accuracy of 89%

Electronic Voting machine

- Made a digital voting machine that displayed number of votes casted to every individual person

Home Automation

- Used thermistor and LDR to measure light intensity and temprature and used Arduiono to control fan speed

Designing Of Transformer

- Designed a small 1KVA Step down Transformer with input of 220 V and output of 12 v

Key Skills

- Matlab + Simulink
- Arduino Interfacing
- Programmable logic Controller (PLC)
- LTspice, LabView, Protues
- C++ (Early)
- Data Science & Machine Learning
- Total Quality Management
- Supply Chain Management
- Microsoft Excel & PowerPoint