

Mohammad Hozefa Saleem (Age: 22)

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Portfolio

- <https://shorturl.at/jsyQQ>

EDUCATION

University of Engineering and Technology Lahore	Lahore, Punjab
<i>Bachelor of Mechatronics and Control Engineering</i>	2018-2022
Govt. Islamia College Civil Lines	Lahore, Punjab
<i>F.Sc Pre-Engineering</i>	2016-2018

ACADEMIC EXPERIENCE

Smart Electro-pneumatic Mattress for patient cure Aug 2021-May 2022 Lahore, Pakistan

In my Final year project I've worked for Human centered robotics lab and created a electro pneumatic mattress for patients dealing with pressure ulcers. It regulates the air in the patches to maintain the oxygen on the bony parts of the body, pressure sensors to get a feedback from closed loop system and a controller to actuates the valves. for more information you can see my portfolio, linked above.

Design of Power Transmission (Screw Conveyor) March 31, 2021

- *Design of Machine element:* Coordinated with 4 members of a team to make the project that is used to transfer material from one place to another in industries like cement, sugar, flour etc

Auto-Mate (Entrepreneurial Setup) (2021 - Present)

- Successfully run an entrepreneurial setup by selling the automation devices used in daily life tasks. for example: gas leakage detector, moisture detector, automatic controlling light switches and many more.

Line Following Robot(2020)

I've created a line following robot by the help of arduino UNO, infrared sensors, gear motors and other parts of the car.

Quran Information System by Using Python(2019)

- i've made the program in python which is based on Quran Information listing and which will provide us information of Quran as per Surah's number and its name.

PROFESSIONAL EXPERIENCE

ATLAS HONDA LIMITED Sheikhupura Road Lahore, Pakistan
Internship in the Maintenance and Components Department Sept - Oct 2021

- **development:** Investing 4 weeks to develop technical skills (e.g. PLC ladder diagram) and business skills (e.g. communication, problem solving, teamwork, etc.) that will help me make a deeper impact on the job.

DESCON TECHNICAL INSTITUTE Alzamir Town Lahore, Pakistan
Internship at DTI (Jun-Sept2022)

- **Skills development:** Working on projects based on PLC (Siemens) .

EXTRACURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCE

Kaar-E-Kamaal Lahore, Pakistan
• *Serving as a Volunteer:* Working in a team of 1000 plus members as a Volunteer for the welfare of organization (2019-present)

MISCALENOUS SKILLS

- **Technical Skills:** Programmable Logic Controller(PLC),Python Programming, AutoCAD, Product designing, SolidWorks, Proteus, ANSYS, MATLAB.
- **Interests:** Metal & Wood Crafting, Leadership, Reading/Writing, Teamwork, Social work.

SUBJECTS OF INTERESTS

- Industrial Automation, Control System, Condition Monitoring, Design of Machine Elements, Manufacturing Process, Arduino Programming

Online Freelancing

- I am doing online freelancing on Fiverr in Engineering softwares work anf graphics designing. **Alhumduillah** I am **Level 2** seller on Fiverr and soon **In Sha Allah** becoming **Top Rated Seller**.