









Ali Mazhar

Mechatronics Engineer

-  16 Nov 1997
-  Model Town Humak Islamabad
-  +92 3355433725
-  <https://www.alimazhar.netlify.app/>
-  alimazharsultan@gmail.com
-  <https://github.com/Alimazharsultan/>

About me

An Independent and self-motivated professional with excellent research and communication skills, enthusiasm to learn new things. I am a very quick learner. I chose Mechatronics because this field allows me to solve problems by coding and actually seeing my code run physically.

Skills

Embedded programming

Raspberry Pi

PCB and Circuit Design

Matlab

Web Development

CAD Modeling

Python

Linux and Servers

Flutter

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Objectives

I am a very passionate about technology and a very quick learner. I like solving problems and work very diligently on a given task. In short, I am a 'Problem Solver'. I am just looking for a work environment where my skills are duly respected and I can utilize my hard work and learning skills to the highest possible potential.

Education

- 2016-2020 Bachelors in Engineering Air University Islamabad
BE Mechatronics 3.54 CGPA (3rd in the batch)
- 2014-2016 College Punjab College Ayub Park Campus
FSC Pre-Engineering 79% Marks
- 2002-2014 School Pakistan International School AL-Khobar
Matriculation 89% Marks

Experience

- Internship
Pakistan Aeronautical Complex Kamra
July 2018
- Research Assistant
Air University
17 May 2021 - 17 October 221

Other Certificates and Achievements

- Coursera Machine Learning by Stanford
- Coursera Python Specialization, University of Michigan
- Taekwondo Black Belt from Pak Strikers Taekwondo Club
- Typing Speed Up to 85 Words per Minute

Projects

- 2020 Final Year Project: Automatic Bottle Filling/Capping System with IOT and SCADA Interface
 - https://drive.google.com/file/d/1LAEey_gjP-z0aPXJX7YViOSCFALTWz0o/view?usp=sharing
 - A project for Industry 4.0 to combine Cyber Physical systems for a remote control and monitoring.
- 2019 IOT Based Battery Cage System for Poultry Farming
 - <https://drive.google.com/open?id=124rB903w26mmZdq6qx9oZ-NBjBAN41Fq>
 - An automated system to monitor the health and well-being of chickens inside a cage using different sensors
 - Automated food and water feeding system was also implemented.
- 2018 Automated Aquaponics System
 - <https://drive.google.com/open?id=1SmaPxjVt4rBneygv25-bqhrQYj1tyvOX>
 - A project to monitor an aquaponic system through a Mobile Application by using WIFI.
- 2021 Smart Energy Monitoring System
 - Funded Project for Air University to develop and deploy a energy consumption meter with IOT dashboard.
 - .