Muhammad Abdullah Naveed

Mechatronics and Control Engineer

To obtain a challenging position in a high quality engineering environment where my problem solving abilities and academic skills will add value to organizational operations

✉ abdullahbutt07@gmail.com

📱 0305-7351717

📍 10-B Barkat Street, Khalil Park, Dholanwal, Multan Road, Lahore

EDUCATION

Mechatronics and Control Engineering   *3.38 CGPA*
University of Engineering and Technology Lahore
2014-2018

F. Sc (Pre-Engineering)   *88 %*
Government College University Lahore
2012-2014

Matriculation   *94 %*
Himayat-e-Islam Public School Lahore
2010-2012

PROJECTS

- **Automatic Retail Checkout (Final Year Project)**
A retail checkout system that uses image processing and state of the art machine learning technique Convolutional Neural Networks to replace the traditional bar code scanners.

- **Four Legged walking Soft Robot**
A soft robot made of RTV silicon that mimics four legged walking mechanism using pneumatics.

- **Smart Cane**
A cane designed for visually impaired people. Equipped with several sensors like ultrasonic and water and mud detector, it helps them in performing their daily chores.

- **Smart Parking System**
Smart parking system for guiding the driver to the nearest available parking space and keeping record of total free parking spaces and not allowing any entry if all the slots are used

- **Line Following and Obstacle Avoiding Robot**
An Arduino based robot equipped with infrared and ultrasonic sensors. This robot could follow a line using infrared sensor and can avoid static obstacles in its way.

- **Adjustable Stroke Mechanism**
A mechanism that is able to change the stroke length depending upon the phase difference between two pulleys

- **Digital Combinational Lock**
A three digit digital combinational lock using basic logic IC's

TECHNICAL SKILLS

Proteus (ISIS,ARES)   SolidWorks   AutoCAD   Arduino IDE

RSLogix 500 (Allen Bradley)   C++   MATLAB   MPLab

Python (with OpenCV)

ACHIEVEMENTS

- Awarded the **Best Final Year Project** by Department of Mechatronics and Control Engineering UET Lahore
- 1st prize in **Robomaze** competition of NaSCon'17
- 1st in **Battle of Bots** completion of NaSCon'17
- 1st in Calligraphy competition arranged by Babar Ali Foundation LHR
- Certified **TRIZ Level-1 Practitioner**

WORK EXPERIENCE

Internship
Atlas Honda Ltd.
July 2017-Aug 2017   Sheikhupura
Atlas Honda Limited is the largest motorcycle manufacturer in Pakistan with the strongest brand value and highest customer loyalty

Project: Designing a Mist Collector using CAD

- Studied the complete working of Honing machine and properties of its coolant (Kerosene oil)
- Studied the complete working of Gear Shaper machine and properties of its coolants (Haroon sharp Oil-1 and Atlas Cut Oil)
- Analyzed different types of mist collectors for the optimum
- Designed the whole working assembly using SolidWorks for Gear Shaper machine
- Gave presentation about the its working and benefits of its local manufacturing

Contact: Shabee ul Haq, Manager Production
shabee@lhr.atlashonda.com.pk

DATA ANALYSIS COURSES

- **Machine Learning (Coursera)**
Linear regression, logistic regression, neural networks, support vector machines, and clustering.

- **Data Analysis using Python and Excel (Edx)**
NumPy, pandas, sci-kit learn and matplotlib

PERSONAL SKILLS

- Adaptability to new stuff   ●●●●○
- Time Management   ●●●●●
- Decision making   ●●●●○
- Communication   ●●●●○
- Leadership   ●●●●○
- Ability to work under pressure   ●●●●●
- Teamwork   ●●●●●
- Self-motivation   ●●●●●

INTERESTS AND HOBBIES

- Industrial Automation
- Web Surfing
- Programming (Coding)
- Playing video games
- Badminton
- Football
- Cricket
- Watching movies and technology related news

LANGUAGES

- English   ●●●●○
- Urdu   ●●●●●
- Punjabi   ●●●○○