



# Muhammad Mursaleen

## Mechatronics Engineer

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**Address:** H # MCB 17/453 Mohala Ghousia Dab Road Chakwal, Punjab, Pakistan

**Marital Status:** Single

**Nationality:** Pakistan

**Born on:** 06/14/1996

## Objective

I want to be an entrepreneur so that I can contribute in the prosperity of my beloved country. In the initial of my career, I want to be able to utilize my knowledge and skills, in a responsible and appropriate manner resulting in a value add to the organization and to enhance my knowledge and expertise.

## Work Experience

July 2017 - August 2017

**Heritage International College Chakwal**

Chakwal

**Lecturer**

- Basic Electronics
- Applied Physics

June 2016 - August 2016

**ATS ENGINEERING**

Islamabad

**Intern**

- Solar Home Solution Installation and Troubleshooting
- Solar Water Pump Solution Installation and Troubleshooting

## Education

August 2014 - July 2018

**University of Engineering and Technology Taxila Sub Campus Chakwal**

Chakwal

**BSc Mechatronics Engineering**

- CGPA 3.24
- Design, Control and Implementation of Orthotic Arm ( *Final Year Project* )

July 2012 - July 2014

**Kallar Kahar Science College Kallar Kahar**

Chakwal

**HSSC (Pre Engineering)**

| Passed with A-1 Grade

## Key Skills

### ➤ Software Tools

- Auto CAD
- Arduino
- Matlab
- Dev-Cpp
- Lab View
- Anaconda
- Proteous

### ➤ Computer Languages

- C++
- Python

### ➤ Jobs Skills

- Leader Ship
- Strong interpersonal skill to work effectively with diverse communities/cultures.
- Time Management
- Multi-tasking
- Creativity

### ➤ Languages

- English
- Urdu
- Punjabi

## ■ Awards & Activities

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• <u>Best Engineering Design Award</u>	NERC'18 Robotics Competition	College of EME-Nust	July 2018
• <u>Winner of Roboline</u>	RoboTron'18 Robotics Competition	UET Chakwal	May 2018
• <u>Winner of Maze Solver</u>	APTO'18 Robotics Competition	UET Taxila	April 2018
• <u>Winner of Roboline</u>	TechnoScience'18 Robotics Competition	UET Faisalabad	April 2018
• <u>Best Design Airbot Award</u>	Air TECH'17 Robotics Competition	Air University	Dec 2017
• <u>Best Engineering Design Award</u>	NERC'17 Robotics Competition	College of EME-Nust	Aug 2017

## ■ Projects

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- **Design, Control and Implementation of Orthotic Arm ( Final Year Project )**  
It was design to assist the patients for rehabilitation and to support the weak persons to achieve their routine work. The input signal that was used to actuate the particular motion was based on electromyography (EMG) signals.
- **Autonomous Robots (Robotics Competitions )**  
I have designed many autonomous robots based on artificial intelligence. Their basic operations are to pick a product from a specific place and place it to a targeted place or to solve a maze by using **line following, wall following, distance through walls and colors detection techniques** based on artificial intelligence. By following this passion, I have won several national Robotics Competitions.

## ■ Extra-curricular Activities

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- **Sports**
  - Table Tennis
  - Tug of War (Captain)
  - Volley Ball (Captain)
- **Societies**
  - Technical Head                      Mechatronics Club                      UET Chakwal
  - Member                              Environmental Protection Society                      UET Chakwal
- **Achievements**
  - Winner                                  Double Table Tennis                      UET Chakwal                      2018
  - Winner                                  Double Table Tennis                      UET Chakwal                      2017
  - Winner                                  Tug of War (Captain)                      UET Chakwal                      2016
  - Runner-up                              Tug of War (Captain)                      UET Chakwal                      2015

## ■ Interest

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- Robotics and Automation
- Energy Solutions
- Technology
- Business