



Muhammad T

Date of birth: 28/09/1994 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:**

Address: Genova, Italy (Home)

ABOUT ME

With a rich background in Electrical and Electronics Engineering and a master's in Robotics, I thrive on solving intricate challenges and pioneering technological advancements. My strong problem-solving skills and collaborative approach consistently lead to successful, innovative outcomes.

WORK EXPERIENCE

04/2023 – 03/2024 Bratislava, Slovakia

AV SWEEP ENGINEER AMAZON

- Monitoring of processes and verification of the application of protocols and compliance with predefined procedures.
- Definition of criteria and evaluation system for monitoring quality performance.
- Conducting quality control activities and internal audits.

11/2022 – 03/2023 Dudince, Slovakia

MECHANICAL DESIGN ENGINEER LEOTRONICS

- Leading and working in the team of mechanical designers for designing Bunkers on the CAD software SolidWorks.
- Support and collaboration with colleagues in managing assigned tasks.
- Carrying out assigned tasks quickly and efficiently.
- Support to colleagues in carrying out assigned tasks.
- Execution of assigned tasks while managing work pressure.
- Change in working hours and locations if necessary.

06/2017 – 08/2017 karachi, Pakistan

INTERN PAKISTAN MACHINE TOOLS FACTORY

- Orderly management of materials and documents useful for work activities.
- Support to colleagues in carrying out ordinary and extraordinary activities.
- Participation in team building

06/2016 – 08/2016 Karachi, Pakistan

INTERN PAKISTAN MACHINE TOOLS FACTORY

- Consolidation of technical and transversal skills learned during studies.
- Support to colleagues in carrying out ordinary and extraordinary activities.

EDUCATION AND TRAINING

11/2019 – 07/2024 Genova, Italy

MASTERS DEGREE IN ROBOTICS AND MECHATRONICS ENGINEERING University of Genova

Website <https://unige.it/en>

Website <https://www.hamdard.edu.pk/>

● **DIGITAL SKILLS**

MATLAB / Python / C / PLC / HMI / Arduino | AutoCAD and Inventor CAD program | Microsoft Office (Word , Excel and Power Point) | SOLIDWORK

● **MANAGEMENT AND LEADERSHIP SKILLS**

Professional Skills

- Team Management
- Customer orientation
- Strong Motivation
- Time Management skills
- Problem solving
- Communication and relational skills
- Leadership Skills
- Relational Strategies
- Flexibility and ability to adapt
- Excellent stress resistance

● **PROJECTS**

A Comparative Analysis of Attention Mechanisms in RNN-LSTMs for Improved Image Captioning Performance.

I work on this project in my Masters degree program, that is python programming based.

Automatic Temperature Control System

Design a system that maintains a set temperature in a room using a PID controller. The system adjusts the heating or cooling device (e.g., a fan or heater) based on temperature sensor feedback.

Skills Involved: PID control, temperature sensor (e.g., DHT11), actuators, microcontroller programming.

Self-Balancing Robot

Develop a robot that balances itself on two wheels using a gyroscope and accelerometer. A PID controller can help keep the robot upright by adjusting the motors.

Skills Involved: Control system design, sensor integration (gyroscope and accelerometer), PID control, motor control, microcontroller programming.

Automatic Door control system

Design a project to control the speed of a DC motor using a PID controller. The speed is adjusted based on feedback from a tachometer or encoder.

Skills Involved: PID control, motor control, sensor feedback integration, microcontroller programming.

Line Follower Robot

Build a robot that can follow a predefined path marked by a black line on a white surface. Use simple PID control algorithms to adjust the robot's movement.

Skills Involved: PID control, sensor integration (IR sensors), motor control, basic programming (Arduino or Raspberry Pi).

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ITALIAN	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **HONOURS AND AWARDS**

Eramus Program in Poland and Slovakia

● **CERTIFICATIONS**

Professional certifications

- Programmer PLC
- Siemens Logo Soft,S7-200, Allen Bradley, Mitsubishi, Relay Logic.
- Managing The Maintenance Department
- Professional Safety Practioner
- Amazon Security Awareness (ASA)
- AWS HIPAA Compliance Training
- Global EHS Awareness Training for Building Occupant/Hybrid
- Employess

● **CONSENT FOR PERSONAL DATA PROCESSING UNDER GDPR 679/16**

Consent for Personal Data Processing under GDPR 679/16

**I hereby authorize the use of my personal data in accordance to the GDPR 679/16.
"European regulation on the protection of personal data Genova Italy"**