



Taha Amjad

Mechatronics & Control Engineer (PEC Registered)

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OBJECTIVE

To work for an organization with creative, dynamic and professional environment, where I can utilize my knowledge and gain valuable experience.

EDUCATION

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|--------------------------------------|------------------------|-----------|------------|
| • B.Sc. Mechatronics & Control Engg. | UET Lahore | 2014-2018 | 3.406 CGPA |
| • F.Sc. Pre-Engineering | Punjab College, Lahore | 2012-2014 | 82.5% |
| • Matric Science (with Computer) | APSACS, Lahore | 2010-2012 | 90.76% |

CORE STRENGTHS & ENABLING SKILLS

- **Mechanical Design**
 - AutoCAD
 - Ansys
 - SolidWorks
 - FluidSIM
 - HAP
- **Electrical Design**
 - Proteus Design Suite
 - Arduino IDE
 - MPLAB
 - Fritzing
 - OrCAD PSpice
- **Programming**
 - Logic Development
 - C/C++
 - MATLAB
 - Melfa Basic IV
 - ROS
 - Assembly
 - LabVIEW
 - G-code
- **Non-Technical**
 - TRIZ Level 1 practitioner
 - Microsoft Office
 - Computer Troubleshooting

EXPERIENCE

- Currently working (From Jan 2019) as Application Engineer in [HUNCH Automation](#) Pvt. Ltd. Successfully developed Fusion System (Retrofitting of Equipment having Excess Air Burners) on different platforms. Successfully installed & commissioned Fusion System on more than 25 Boilers, Thermal Oil Heaters and Waste Incinerators. Successfully completed various other monitoring and reporting projects (Humidity & Temp. Control, Flow metering, Condensate Recovery System, HVAC Control etc.)
Responsibilities:
 - PLC Logic Development (Allen-Bradley SLC500, Delta DVP Series, Mitsubishi FX-Series, Fatek FB-Series, Haiwell T-Series)
 - HMI Development (Delta, WeinTek, Haiwell)
 - VFD Programming (Schneider Electric, Danfoss, LS, ENC, INVT, Delta, Vacon)
 - Basic SCADA System Development (Dia View, Haiwell)
 - Electrical Drawings (AUTOCAD).
- Worked as Jr. HVAC Design Engineer in [MecaTech](#) Pvt. Ltd (Official Distributor of TRANE Air Conditioning Inc. in Pakistan) Oct-2018 to Dec-2018.
Responsibilities: U-factor Calculation, HAP heat load calculations, HVAC Drawings (AutoCAD), Ducting, Piping, BOQ Preparations and Equipment Schedules.
- Worked as Paid internee at [TetraPak](#) Processing department June 13 to July 24, 2017.

ACADEMIC PROJECTS

- | | | | |
|--|---|--------------------------|--------------|
| ▪ FYP: Smart Cricket Ball | ▪ Soft Robotic fish with Control Unit | ▪ Speech Recognition | ▪ Combat bot |
| ▪ Magnetic Levitation | ▪ Smart Cane for visually impaired | ▪ PLC based water geyser | |
| ▪ FESTO processing station + RV2AJ Troubleshooting | ▪ Temperature monitoring systems with SMS alert | | |
| ▪ Smart person counter | ▪ Design of automatic water tank filling system | | |
| ▪ Home automation (Voice controlled) using Arduino | ▪ LFR and obstacle avoiding robot. | | |
| ▪ Power Inverter | | | |

PROFESSIONAL TRAINING

▪ PLC Advance Course

8 Credit hour (7 weeks) Advance PLC and basic HMI training from Pakistan Industrial Training Assistance Center (PITAC)

▪ RS 485 Modbus course

[Mastering Modbus RS485 Network Communication](#) course from udey enabling me to integrate devices from the same manufacturers and different manufacturers, that are Modbus compliant, to form a complete seamless network.

ACHIEVEMENTS

- Awarded **shield** for delivering **Robotics Workshop** in UET TechWeek17 – Dec ,2017.
- Won the **Best** project award in **Soft Robotics** semester project.
- Lead the team who won **2nd Best Power Inverter Design** Award (Semester Project).
- Lead the team with **Best PLC-based project** (Semester Project).
- Part of **Winning** Team, **Robo-Rumble**, SOFTEC'18, FAST University Lahore.
- Part of **Winning** Team, **Line Follower**, IEEE Week'17, FAST University Lahore.
- Part of **Winning** Team, **Robowars**, NASCON'17, FAST University Islamabad.
- Received merit-based Laptop Award from Chief Minister Punjab (2017).
- Awarded **High Achievers Medal** in SSC.

CO-CURRICULAR ACTIVITIES

- Awarded **shield** for delivering **Robotics Workshop** in UET TechWeek17 – Dec ,2017.
- Organized Line Navigation Robot Competition at Main Auditorium in UET TechWeek17 - Dec,2017.
- Organized and delivered Arduino & Robotics workshop in Mechatronics department – Feb ,2017.
- Director Technical team at Mechatronics Club.

HOBBIES AND INTERESTS

- CryptoTrading ▪ Troubleshooting ▪ Accepting new challenges ▪ Collecting Power Tools & instruments

REFERENCE

Will be furnished upon request

Best Regards,

Taha Amjad