



Muhammad Zeeshan

Mechanical Engineer (PEC No MECH/43422)

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TECHNICAL SKILLS:

Technical Report writing	Microcontroller interfacing	Proteus & Arduino	Solid work
AutoCAD 2D & 3D	C++	Pro-Engineer	Matlab
MS Word, Excel	PowerPoint	Creo	

PROFESSIONAL EXPERIENCE:

1. MAK Pumps (PVT.) Limited

(July 2019-Sep 2019)

Job Title: DESIGN AND MAINTENANCE ENGINEER

Location: Plot # 87 Industrial Estate Jamrud Road, Peshawar, (KPK) Pakistan

Job Description:

- Worked on the Design of motor and pumps by using some special software like AutoCAD 2D & 3D and Pro Engineering and Solid Works.
- Specifies the stage involve in the production of motors and pumps into the final product like home water pumps, hydraulics motors, and turbine motors, servo motors, centrifugal pump, gravity pump, steam pump.
- Also visited various sites for the Installation of Motors and Pumps.
- Work on the maintenance of instrument by their calibration and machines that are used in the operation and production stage by lubricating and other methods.

2. Pakistan Water and Power Development Authority

(May 2019-June 2019)

Hydel Power Station, Tarbela Dam Topi, Khyber Pakhtunkhwa, Pakistan

Job Title: JUNIOR ENGINEER

Location: Right bank Topi, (Khyber Pakhtunkhwa) Pakistan

Job Description:

- Studied the whole process of Hydro Power Station from initial turbine stage to final switchyard stage
- Also studies the Mechanical Drawing of turbine and the generator and the shafts
- Work on the operation and Maintenance of Governor by inspection the interposing valve and bypass valve and oil condition and other different parameters.
- Maintenance of Turbines control system, and different Auxiliaries used in the power generation by supervising the turbine condition and the flow of water in it and the speed of shaft.
- Work on the operation and maintenance of Diesel Generator used for the servo motor initial start.
- Also studies and work on the operation and Maintenance of Rotating equipment (Pumps, Compressors).

3. ROCKSUN GLASS INDUSTRIES (PVT) LIMITED

(June 2018-May 2019)

Job Title: ASSISTANT ENGINEER (TRAINEE)

Location: F-13 INDUSTRIAL ESTATE JAMRUD ROAD HAYATABAD PESHAWAR

Phone # 091 5891679

Job Description:

- Work in the department of Production of glass product like Bottle, Cups, Trays, Kettle, Glass Sets.
- Also, in the Process department of inflating molten glass into a bubble into final desired shape.
- Supervise both the two major methods of glassblowing i.e., free-blowing and mold-blowing
- Involved in the whole mechanization of the processes involved in the molting of glass into the manufacturing of Cups, Trays and other home accessories.
- Also do the maintenance of instruments and machine used on the production stage and process stage.

ACADEMIC QUALIFICATIONS:

1. **Bachelors of Sciences in Mechanical Engineering** (Oct 2015-Nov 2019)
University of Engineering and Technology (UET), Peshawar, Pakistan
(The Pakistani government's Higher Education Commission rates this university as **5rd of all Pakistani "Engineering and Technology" universities**)
Mechanical Engineering CGPA: 2.62/4.00

2. **Intermediate (Pre-Engineering)** (July2013-Apr2015)
Edwardes College Peshawar, Khyber Pakhtunkhwa (KPK), Pakistan
Marks: 831/1100

3. **Matriculation (Science)** (May 2011- June 2013)
The Quaid-E-Azam Public School Swabi, Khyber Pakhtunkhwa (KPK), Pakistan
Marks: 890/105

POSITIONS OF RESPONSIBILITY:-

- Head of Team –Word Space week organized by SAE UET Peshawar (2016)
- Logistics Head – Auto Expo organized by SAE and ASHRAE on 14 may 2016.
- Technical Head – 30 December 2017 (Team-SAE, UET Peshawar)
- General Secretary – Auto Expo 3.0 10 March 2018 (SAE, UET Peshawar)

ACADEMIC PROJECT: -

- Design and Fabrication of Charpy Impact Testing Machine
- Water Flow Rate Control Unit
- Successful Business While Adhering To Norms (Sociology Research Project)
- Arduino Line Follower Robot
- Design and Fabrication of Low Cost Screw Jack
- Visit to FF Steel Industry to Study the Production & Manufacturing of Steel
- Investigation of Internal Structure & Heat Treatment Process of Different Material
- Design and Fabrication of stress and strain machine for Rubber
- Proposal for 3-D Printer (Technical Report Writing)

Published Research Paper: -

- Published a research paper on the topic ‘Design and Fabrication of Charpy Impact Testing Machine’ at International Conference of Mechanical Engineering (ICME 2020).

<https://conferences.uet.edu.pk/icme/2020/wp-content/uploads/2020/proceedings-of-international-conference-on-mechanical-engineering-2020.pdf>