



# Usman Ali

## *Mechanical Engineer*

### My Contact

✉ usmanaliuetian@gmail.com

☎ 0501490993

📍 Al Masanea Riyadh 14711 ,  
Saudi Arabia

transferable iqama  
IQAMA Number =2535042770

### Hard Skill

- SolidWorks, pro-E, and fusion 360 3D CAD Modeling Software Proficiency
- AutoCAD, aspire, Artcam, 2D Design Software Proficiency
- Awareness of National and International Standards.
- Knowledgeable in ISO 9000:2000 Quality Management System
- Analyze project requirements and perform technical calculations supporting design including FEA and CFD (Computational Fluid Dynamics).
- Microsoft Office Proficiency
- Project-related research
- Design for testing purposes
- Material suggestions and supplier coordination
- Testing, modifying & Re-testing
- Preparation of fabrication details.
- Issuing fabrication details.
- Updating drawing files.
- Checking and issuing a mechanical bill of materials.
- Maintenance of quality records

### About Me

I am looking for a job that allows me to develop the skills and knowledge I have gained in the recent two years of experience in Al Namal Trading and Contracting Company KSA. I want to utilize my technical skills to achieve the target and develop the best performance in the company. I want to implement my innovative ideas, skills, and creativity to accomplish the projects. I am looking for an opportunity in a reputed organization to help me deliver my best, upgrade my engineering skills, and meet the organization's demands.

### Education Background

#### *Mechanical engineer*

University of engineering and technology Peshawar Pakistan  
Bachelor of sciences in mechanical engineering

- registration number ( **PEC.MECH \ 50662**)
- 1st position in the mechanical engineering department.
- 3rd position all over the university of engineering in the Final year.
- 1st position in final year project simulation and analysis.
- I got Higher education commission (HEC) Pakistan merit-based scholarships.
- Pakistan engineering council best performance scholarship Completed in 2020

#### *Certificate in Solid work and fusion 360*

- 3D designing
- 3D molding
- 2D manufacturing drawing
- Finite element analysis
- the simulation uses solid work Completed in 2020

#### *Health and Safety training*

- H2S AWARENESS
- FIRE SAFETY MANAGEMENT
- WORKPLACE, TRANSPORT HAZARDS RISK CONTROL
- Behavior-based safety
- FIRE SAFETY MANAGEMENT
- HEALTH SAFETY & ENVIRONMENT MANAGEMENT SYSTEM Completed in 2021

#### *NEBOSH Online Conference Kentucky 2022*

- certificate in Fire Safety
- Get a certificate in Fire Safety As part of the NEBOSH online Conference 2022:
- Safe, Healthy, Happy
- Date November 14, 2022

## Soft Skill

- Project Management and Leadership Skills
- Excellent Verbal and Technical Report Writing Skills
- Good communication, reading and understanding skills
- Creativity
- Communication
- Leadership
- Team Work
- Judgment and Decision Making
- Critical Thinking
- Time Management
- Coordination
- Negotiation
- Active Listening

## certificate

- Well Stimulation in oil and gas
- OIL & GAS Well Drilling Practices
- Introduction & Basics of Automobile and IC engine
- Solid work designing
- Microsoft Office
- Excel
- FEA Solid work
- H2S AWARENESS
- FIRE SAFETY MANAGEMENT
- WORKPLACE, TRANSPORT HAZARDS RISK CONTROL
- Behavior based safety
- FIRE SAFETY MANAGEMENT
- HEALTH SAFETY & ENVIRONMENT MANAGEMENT SYSTEM

## Achievements

- pakistan engineering council (pec) scholarship holder
- HEC merit based scholarship Holder mechanical department UET Peshawar
- 2nd position in Final Year project
- 1st position in summer internship 2020 report writing oil and gas development company
- Award from Ignite National Technology for final year project.

## Professional Experience

### Mechanical Site Engineer

Al Namal Trading and Contracting Company

02 October 2021 – 30 October 2022

Key responsibilities:

- Carry out monitoring and surveillance of the Construction Contractor's activities in respect of his engineering discipline to determine compliance with the applicable specifications, standards, codes of practice, and approved construction drawings.
- Review the Construction Contractor's generated data in respect of his engineering discipline.
- Monitor the Construction Contractor's work methods involving his engineering discipline.
- Monitor and review the Construction Contractor's proposals and activities in respect of the programming and resourcing of his engineering discipline.
- Prepare engineering drawings and designs and specify specifications for parts so that they can be purchased or manufactured locally. Provide engineering recommendations and advice related to mechanical and hydraulic problems faced by repair shops or units. Prepare technical bulletins to avoid and correct errors and improve performance. Support MTSD workshops with the necessary technical consultations. Any work assigned to it by the Director of the Center for Research and Applied Engineering.

### Mechanical Supervisor

Al Namal Trading and Contracting Company

12 September 2020 – 30 September 2021

Key responsibilities:

- Find solutions to mechanical and hydraulic equipment problems. Analyze the information about the parts to be repaired from the weaponry systems (in the workshops/field units) to identify the possibility of self-manufacturing the parts using the applied theories of mechanical engineering such as calculations, designs, drawings, documentation, etc. Find possible ways to improve the effectiveness of maintenance and repair procedures.
- Formulate a well-defined schedule to test and troubleshoot machines and mechanical systems.
- Follow-up on project schedule for mechanical-related works.
- Prepare progress reports.
- Study relevant guidelines for developing an ergonomic and safe mechanical system and apply the same to ongoing company projects.
- Evaluate the output of mechanical gadgets by using the latest measurement control devices.
- Analyze the end requirements of customers and create an estimate of the investment required along with the overall utility of the project.

### Internship 2019

#### *oil and gas development company limited Islamabad*

Get knowledge about the basics of oil and gas well stimulation and Drilling.

- Hoisting system
- PTW circulating system
- rotating system
- Engine and Generator
- BOP Air Hoist
- health and safety in the oil and gas industry
- Work with planning and design teams to drive product development and review tooling specifications.

### Internship 2018

#### *Honda Margalla (Pvt) Ltd Islamabad*

Get knowledge about the basics of the automobile industry and use different software for design and simulation

- Researching to inform the design and engineering methods required for the mechanical systems.
- Planning and executing mechanical designs using CAD, CAM, and 3D CAD programs.
- Performing computer simulations and experiments to virtually test and refine the designs.
- Overseeing the development and manufacturing of physical prototypes for testing.
- Documenting the design process, iterations, and test analytics.
- Preparing technical reports, design specifications documents, and operational manuals.

### Internship 2017

#### *Swat carving and mold design (PVT) Ltd Peshawar*

- Get knowledge about the basics of CNC and laser machine setup and use different software such as solid Works, fusion 360, aspire, and artcam. for design and simulation
- design 3D models and create 2D drawings for manufacture and Generate G-code for CNC machine.
- tool selection and material dimensioning tolerance
- Plan, designed, and developed tools, engines, and mechanical equipment
- Meet with clients to oversee the installation, operation, and maintenance of equipment
- Establish and reinforce maintenance and safety procedures.

## language

- English (expert)
- Urdu (native)
- Pashto (native)
- Arabic (beginner)