

Fahad M. Alqahtani

Mechanical Engineer



Kingdom of Saudi Arabia

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Career Objective:

A highly motivated and recent graduate in Applied Mechanical Engineering from King Saud University, with a strong foundation in mechanical design principles, material science, and manufacturing processes. I am seeking a challenging role as a Mechanical Engineer where I can apply my analytical skills, proficiency in engineering software, and passion for mechanical systems design and development to contribute to innovative projects and enhance my practical experience.

Education:

King Saud University, Riyadh, Saudi Arabia

September 2018 - June 2024

Bachelor of Science in Applied Mechanical Engineering

Professional Experience:

Almona: Innovative Pipe Solutions, Riyadh, Saudi Arabia

July 2023 –December 2023

Mechanical Engineer - Co-Operative Training

- Identified and repaired malfunctions in equipment and production lines.
- Performed regular maintenance operations to prevent malfunctions.
- Installed and commissioned new equipment.
- Ordered spare parts and materials for maintenance.
- Managed maintenance records.
- Ensured that all equipment and machines operated safely and efficiently.

Graduation Project:

• **Design and Development of a Mechanical Forklift for Small and Medium Enterprises Using SolidWorks & ANSYS Simulation**

1. Designed a cost-effective and compact mechanical forklift suitable for the space and budget constraints of SMEs.
2. Utilized SolidWorks to create a 3D model of the forklift, ensuring accurate dimensions, assembly functionality, and detailed component design.
3. Performed FEA simulations using ANSYS to analyze stress distribution, strain, and deformation under various loading conditions.

Development Courses:

- Introduction to Project Management Professional (PMP/CAPM) .
- Pump Solutions for Smart Houses
- LV Transfer Switches & Enclosed (Safety) Switches.
- Lightning Protection Systems & Earthing Systems.
- Smart Manufacturing .

Soft Skills:

- Analytical Thinking.
- Problem-Solving.
- Team Collaboration.
- Attention to Detail.
- Communication Skills.
- Stress Management

Technical Skills:

- Microsoft Office (Excel, Word, Power Point).
- SolidWorks.
- AutoCAD.
- ANSYS.

Mechanical Skills:

- Comprehensive knowledge of mechanical design principles, material science, and manufacturing processes.
- Experience in mechanical systems design and analysis, including structural, thermal, and fluid analyses.
- Proficient in technical writing and communication for engineering reports and presentations.

Memberships:

- Saudi Council of Engineers || Mechanical Engineer.
- Membership no : **1044467**

Languages:

- Arabic.
- English.