

# Ibrahim Aldhalea

Mechanical engineering

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## Professional Summary

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Mechanical Engineering graduate with practical experience in maintenance and a strong interest in troubleshooting and problem-solving. Known for being a fast learner and highly motivated to develop new skills. Eager to contribute to a team environment, apply engineering knowledge to real-world challenges, and grow within a dynamic role.

## Experience

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### Mechanical Maintenance Engineer

July 2024 to August 2024

**Qassim Cement Company** - Buraydah, Qassim region

- Followed safety protocols while working with moving parts or hazardous materials.
- Adjusted settings on machines to optimize performance levels.
- Assisted in installation of new equipment to ensure proper functioning.
- Trained personnel on proper use of machines and safety procedures.
- Conducted root cause analysis on mechanical failures to identify underlying issues and solutions.

## Education

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**Bachelor of Science (B.S.) : Mechanical engineering** , August 2024

**Qassim University** - Qassim

Relevant Coursework

- Thermodynamics
- Manufacturing Processes
- Machine Design
- Mechanics of materials
- Heat Transfer

Extracurricular Activities

- Active student Club Member

## Skills

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- Predictive Maintenance
- Mechanical systems understanding
- Equipment maintenance and repair
- Component Replacement
- Reliability
- Systems Analysis
- Mechanical system design
- Component schematics
- Root Cause Analysis
- Problem-solving abilities
- Time management abilities
- Adaptability

## Graduation project

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Final Project: Development of a Hydrogen Storage System for Solar Energy.

I worked on a project aimed at improving the sustainability of solar energy storage. The focus was on finding alternatives to traditional battery systems, which can have environmental impacts. Through research and analysis, we identified hydrogen storage as a more environmentally friendly option for storing solar energy. This solution offers long-term energy storage with reduced waste and a lower environmental impact, presenting a viable alternative to conventional battery-based storage systems.

## Languages

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- **Arabic**  
Native
- **English**  
Intermediate