

Khalid Alfaifi

Mechanical Engineer

Saudi Arabia | +966 560807460 | khalidalfaifi137@gmail.com | [Linkedin](#)

Summary

Fresh Mechanical Engineering graduate with a strong academic foundation, trained at the Royal Commission in project management. Passionate about mechanical design and energy systems, with hands-on experience in SolidWorks modeling, technical reporting, value engineering, and project management. Eager to apply my knowledge in engineering to real-world projects and contribute to innovative solutions.

Education

Bachelor's Degree of Science in Mechanical Engineering, Jazan University, 2025

Graduation Project: Design and Optimization of a Point-Absorber Wave Energy Converter.

The project involved designing and fabricating a prototype to generate electrical power from ocean waves using a rack-and-pinion mechanism. The mechanical components were designed and simulated using SolidWorks.

Experience

Value Engineering Specialist Trainee, Royal Commission, (June 2024 – August 2024)

- Gained an overview of value engineering principles, study stages, and workflow during workshops.
 - Prepared workshop reports, followed up on implementation, and assisted in compiling annual reports.
 - Rotated across other project management departments, including project planning, project control, private projects and project acceptance, gaining broad exposure to project lifecycle management.
 - Gained practical exposure to the application of mechanical principles in HVAC, firefighting, and plumbing (MEP) systems.
-

Skills

Technical Skills: SolidWorks, AutoCAD, Microsoft Office (Word, Excel, PowerPoint), Technical Report Writing, Value engineering, Project Management

Soft Skills: Time Management, Problem Solving, Self-Learning, Communication, Teamwork

Languages

Arabic (Native), English (Fluent)