

Fehaid Hamoud Alqahtani

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Riyadh, Saudi Arabia

Fehaid Al-Qahtani

SUMMARY

Mechanical Engineering graduate with hands-on experience in maintenance operations and project management support. Strong skills in mechanical design, finite element analysis, and engineering simulation using SolidWorks, Abaqus, and ANSYS. Background in project management supported by CAPM certification, with strong knowledge of safety standards through OSHA and IOSH training. I am motivated to apply technical and analytical skills effectively as a graduate mechanical engineer in a professional engineering environment.

EXPERIENCE

Prince Sattam Bin Abdulaziz University | Al-Kharj, Saudi Arabia

Trainee | Project Management & Maintenance Department.

- Academic and practical exposure to cooling, air conditioning, and desalination plants.
- Fundamental knowledge of firefighting and life safety systems.
- Active participation in maintenance operations, safety procedures, and professional technical reporting.
- Exposure to basic mechanical testing and inspection procedures related to maintenance activities.

EDUCATION

Prince Sattam Bin Abdulaziz University | Al-Kharj, Saudi Arabia

Bachelor's Degree in Mechanical Engineering | 2026

OTHER

● Courses & Certifications:

- OSHA 30-Hour – General Industry Safety & Health (OSHA Academy) | October 2025.
- HVAC Systems in Buildings – Saudi Council of Engineers | October 2025.
- IOSH Managing Safely – Certified (IOSH) | December 2025.
- Certified Associate in Project Management (CAPM) – Project Management Institute (PMI) | December 2025

● Projects:

- Mechanical Engineering Graduation Project | Prince Sattam Bin Abdulaziz University.
 - Fabricated lightweight, high-strength composite specimens using glass fiber reinforced epoxy enhanced with Single-Walled Carbon Nanotubes (SWCNTs) to improve structural performance.
 - Applied Vacuum Infusion to achieve superior resin penetration, reduced void content, and high-quality composite consolidation.
 - Performed advanced fracture testing (Mode I & Mode II) to evaluate toughness, crack-resistance, and behavior under different loading conditions.

● Hard Skills:

- Mechanical Design.
- Manufacturing Processes.
- Composite Materials & Testing.
- Finite Element Analysis.
- SolidWorks.
- Abaqus.
- ANSYS.
- MS Office. (Word, Excel, Power point).

● Soft Skills:

- Problem Solving.
- Critical Thinking.
- Decision Making.
- Communication Skills.
- Team Collaboration.
- Project Management.
- Time Management.

● Languages: Arabic, English