

# Alqasem Alojayan

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## PROFILE

Fresh graduate in Industrial and Systems Engineering with skills in analytical thinking, process optimization, and project management. Eager to apply engineering expertise to solve real-world business challenges and collaborate with diverse teams to deliver innovative solutions.

## EDUCATION

**King Fahd University of Petroleum and Minerals - KFUPM** Aug 2020 – May 2025  
*Bachelor's degree in Industrial and Systems Engineering*

- **Cumulative GPA:** 3.011/4.0 | Honors Graduate
- **Major GPA:** 3.359/4.0
- **Relevant Courses:** Optimization Methods, Quality Control, Supply Chain, Systems Simulation, Industrial Safety.

## EXPERIENCE

**Internship Experience at Saudi Aramco** Sep 2024 – Dec 2024  
*Intern in the Producing Project Management Department*

- **Business Administration Unit:** Develop schedules for project activities and forecast monthly financial spending, optimizing both cost and time as part of cost and schedule engineering.
- **Project Completion and Quality Assurance Unit:** Update the facility master plan for Aramco, focusing on short-term projects for three years and long-term projects for ten years, while supporting current projects.
- **Project Execution Unit:** Observe the actual implementation of projects and learn safety procedures at the site.

**Cooking and Food Serving** Jun 2020 – Jul 2021  
*Chicken Restaurant*

- Prepared meals and managed customer orders at the Chicken restaurant, ensuring great customer experience.

## EXTRACURRICULAR ACTIVITIES

**Member of the Consulting Club** Feb 2024 – Aug 2024  
*Strategic Committee*

- Organized events and participated in brainstorming sessions to analyze case studies collaboratively.

**Communicator at the IEOM Chapter** Jan 2024 – Aug 2024  
*Communication and Quality Control Committees*

- Initiated a proposal to consolidate the financial resources of ISE, IISE, and IEOM clubs, enhancing financial stability and enabling expert-led quality control seminars, which contributed to the club achieving the highest number of events among all KFUPM clubs that semester.

## PROJECTS

**Graduation Project** Sep 2024 – May 2025  
*GeoVision AI-Driven Ground Penetrating Radar Vehicle*

- Optimized vehicle routing to maximize area coverage for pipeline searches by developing simulations of rectilinear, zigzag, and spiral patterns, selecting the most efficient route, contributing to the team's achievement of project completion at 33% lower costs than the nearest competitor.
- Recognized as one of 20 projects out of over 130 to receive a **Recognition Certificate from KFUPM President** 

**Quality Control Project** Aug 2023 – Dec 2023

- Analyzed variations in concrete strength testing and developed effective action plans for out-of-control cases.

## CERTIFICATES

- Certified Associate in Project Management (CAPM)® - PMI 
- Supply Chain Fundamentals - Saudi Aramco 
- Decision Making - Harvard Management Mentor 

## SKILLS

- Technical Skills**

  - Microsoft Office (Excel, PowerPoint, Word)
  - Arena Simulation
  - AutoCAD
  - Lingo Optimization
  - Python Programming
- Soft Skills**

  - Analytical Thinking
  - Collaboration
  - Decision Making
  - Leadership
  - Problem Solving