

Najood Alfarhan

najood.alfarhan@gmail.com | 056 066 2737 | LinkedIn: www.linkedin.com/in/najoodnasser | Dhahran, SA

Profile

Industrial and Systems Engineering student at KFUPM with a strong foundation in ISE principles and hands-on experience in process analysis and improvement. Skilled in collaborating across teams and communicating technical ideas. Eager to apply knowledge in a challenging role.

Education

Bachelor's Degree: Industrial and System Engineering | **GPA:** 3.6/4 KFUPM
Dhahran, SA
May 2026
Relevant Coursework: Optimization Methods, Operations Research, Engineering Statistics, Quality Control, Data Science, Production Systems, Work & Process Improvement.

Experience

Leader of Communication Committee IISE Student Chapter
Dhahran, SA
Sep 2024 - Feb 2025
• Led a team in organizing and promoting club events, while developing strategies to ensure smooth coordination across teams.

Startups Job Shadowing NUGTTAH | نقطة
Riyadh, SA
Nov 2024
• Gained deep insights into Nugttah's app during a 5-day program, performed QA testing, learned how different teams operate within the company. Participated in a feature development competition, presenting creative ideas to enhance user engagement.

Leader of Finance Committee Female Visitation Club
Dhahran, SA
Sep 2023 - Jan 2024
• Managed the club's budget, tracked expenses, prepared financial reports, and oversaw cash advances to ensure successful event execution.

Academic Projects

Optimization Project: Designed and implemented mathematical models using linear programming and custom heuristics in Python to minimize inventory and delivery costs across multiple warehouse locations.

Statistical Process Control (SPC) Project: Designed and interpreted control charts in Excel to monitor defect rates, identify variation sources, and apply control strategies to improve process stability and product quality.

Data Analytics Project: Analyzed a real dataset using Python, performed data cleaning, explored variable relationships, and built predictive models to extract actionable insights.

Skills

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| • Critical Thinking | • Excel (Advanced Functions, Solver) | • Adaptability |
| • Problem-solving | • Statistical Process Control (SPC) | • Leadership |
| • Data Analysis | • Optimization Modeling | • Collaboration |

Languages

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| • Arabic: Native | • English: Proficient |
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