

MUSTAFA AHMED ALHALIL

🌐 Qatif, Saudi Arabia | 📞 +966 53 203 7420 | ✉ mustafa.alhalil@hotmail.com | 🗣 Arabic (Native) & English (Fluent)

SUMMARY

I am a diligent, ingenious, and ambitious **Mechanical Engineer** capable of analyzing engineering requirements and conducting experiments and assessments to develop solutions fulfilling operational goals. Driven by excellence, I aspire to join a prestigious organization to begin my career, lead challenging projects, and contribute to its transformation, success, and growth as a high-caliber member of the workforce.

EDUCATION

- [2022] **Bachelor's Degree in Mechanical Engineering at Jubail University College, Jubail, Saudi Arabia**
 - **Senior Project:** Design and Simulation of Grinding Machine
 - Statistical, Failure, and Bearing design parameters used to design and simulate the project
 - Utilized SolidWorks to model the grinding machine and Design for manufacturing and assembly

STRENGTHS

- Communication Skills
- Team Collaboration
- Problem Solving
- Leadership Skills
- Knowledge Transfer
- Stress Management
- Decision Making
- Critical Thinking
- Flexible & Adaptable
- Public Speaking
- Cultural Diversity
- Result-Oriented

TECHNICAL SKILLS

- 3D Mechanical Design (SolidWorks)
- Programming Language (C++)
- Engineering Drawing & Design Program (AutoCAD)
- Statistical Analysis Program (SPSS)

RECOGNITION

- 1st Place Winner: Space Applications Hackathon, Saudi Space Commission
- Nomination: NASA's International Space Applications Agency (*Exoplanet Detection by Analyzing Electromagnetic Waves*)
- One of 150 Inspirational Leadership Figures: QIMAM Fellowship
- Nomination: Saudi Young Leaders Exchange Program, U.S. Embassy in Saudi Arabia
- Student Representative at the Shura Council, the Ministry of Education

EXPERIENCE

- [2022] **COOP Trainee at Saudi AAC Block Factory, Jubail, Saudi Arabia**
 - Completed a training program & gained experience in manufacturing processes of autoclave aerated concrete
 - Conducted maintenance planning and scheduling of boilers, air compressors, and other equipment

MEMBERSHIPS

- Saudi Council of Engineers
- American Society of Mechanical Engineers
- Toastmaster Club
- Mechanical Engineering Club in JUC

TRAINING

- [2022] Fundamentals of Piping and Pipelines Engineering, American Society of Mechanical Engineers
- [2019] Multi-stage flash distillation (MSF) Water Desalination, The Water Treatment Plant
- [2019] Health Safety Environment and Engineering, Saudi Aramco
- [2019] Team Building Skills, King Abdul-Aziz Center for World Culture
- [2016] Productive Engineering Thinking, FABLAB Jubail

VOLUNTEERING

- [2021] **Presenter at MOSTAQBALI:** Presented an overview of mechanical engineering
- [2020] **Volunteer at International Petroleum Technology Conference:** *Guest hospitality*
- [2019] **Volunteer at IKTVA:** *Transported VIP guests across the exhibit*
- [2019] **Organizer and Presenter at FABLAB Jubail:** *Presented a summary of mechanical engineering applications*