

Komail Alawadh

Fresh Mechanical Engineer

A self-motivated, fresh mechanical engineer, looking for a job in a challenging environment to apply my academic knowledge while making a significant contribution to the success of the company.

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EDUCATION

B.S. in Mechanical Engineering Jubail University College

01/2017 - 01/2021

GPA 3.17/4.00

Courses

- Turbomachinery
- Heat Transfer
- Machine Design
- Manufacturing Process

WORK EXPERIENCE

Field Engineer - Intern NESR

08/2020 - 12/2020

Tasks:

- Tracked chemicals inventory to assurance availability.
- Performed quality tests for each acid mix.
- Prepared mixing sheets for acid mixes using Excel.
- Created an Excel model to calculate the chemicals demand for every hydraulic fracturing job.
- Assured chemicals area safety.

PROJECTS

Impeller Design for a Centrifugal Pump

- Designed an impeller for a centrifugal pump, to deliver water for a 6 floors, 27 m height, building.
- Defined the standards & constraints.
- Performed detailed design in Excel.

Drive Shaft Design for FSAE Car

- Designed a 480 mm drive shaft to deliver 105.6 HP, for a formula car.
- Followed ISO and ASME standards.
- Analyzed the forces acting on the shaft by SOLIDWORKS.

Axial Compressor Design

- Determined the design parameters & specifications.
- Calculated preliminary & detailed design.
- Checked the design using Excel.

Axial Turbine Design

- Designed a dual stage axial turbine, to produce 15 MW.
- Found second stage parameters by Excel.
- Validated the design using Excel.

Dynamic Excel Model

- Created a P&L dynamic model for 430 companies using Excel.
- Included a historical data for each company.
- Created a model to forecast future revenue and gross profit, for a company, with three different dynamic scenarios.

TRAININGS

Nanodegree in Business Analytics

Udacity

PMP™ Training Course

Leaders Development Center

Purchasing Foundations

LinkedIn Learning

Leadership Essentials

Doroob

Six Sigma Foundations

LinkedIn Learning

SKILLS

Communication

Teamwork

Leadership

Hyper Focus

Business Analysis

Cognitive Flexibility

Problem solving

SOFTWARES

Microsoft Office

AutoCAD

SOLIDWORKS

Tableau

SQL

MATLAB

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

INTERESTS

Design

Production

Procurement

Oil & Gas industry

Project Management

Quality Management

Manufacturing

Maintenance

Turbomachines