

Muhammad Aqeel

Mechanical Engineer

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Summary

Hard-working professional with 2+ years of experience and proven knowledge of simulation and capital projects. Aiming to leverage my academic skills to successfully fill the Mechanical Engineer role at your institute.

Core Competencies

- Strategic Planning
- Team Leadership
- Research & Analysis
- Communication
- Vigorous speaker
- Competitive Intelligence

Technological Proficiencies

- Ansys
- COMSOL Multiphysics
- Solidworks
- Autodesk Fusion 360

Education

Msc Energy Engineering | CGPA (3.43)

2018 - 2021

University of engineering and technology, Lahore

MSc Thesis Overview

Title: High-Temperature creep behavior of pearlitic steel using FE methods

To increase or maintain the performance of power plants, creep analysis, and fatigue test is mandatory. The research area is so vast, we can find rupture points through different approaches. In my work, I'm using a Norton creep model in the Ansys to find the deformation in the steam pipes of the power plant.

Bsc Mechanical Engineering | CGPA (3.55)

2013 - 2017

Bahuddin Zakariya University, Multan

Final year project

Title: Design and Fabrication of the Precision Cutting Machine with Cutting Fluid Supply

Precision cutting is utilized for exact and twisting free cutting of "Metals, Ceramics, Electronic Components, Crystals, Composites, Biomaterials, Sintered Carbides, Minerals, and so forth. It is a solitary level of flexible machine in which a stepper motor drives a lead screw which in turn controls the development of the bed in an x-plane. A handheld lever is utilized to pivot the cutter plate. The workpiece is obliged between the clampers or chucks which constrains the workpiece and helps to facilitate the cutting procedure.

Work experience

Freelancing

01-08-2021 - continue

> Projects: Electric tower structural analysis, Vibration analysis of Cantilever beam in the water, Truss analysis, Designing of Stirling engine, and Designing of cross flow turbine

Precision system training center, Lahore Pakistan

01-10-20 - 31-03-21

Visiting Teacher

> Teaching CAD/CAM along with the basic concepts of mechanics of materials

WADIC Pvt. Limited

08-03-2018 - 26-07-2018

Cad Drafter

- > Develop detailed design drawings and specifications for mechanical equipment using computer-assisted drafting (CAD).
- > Coordinate with other team members to discuss and resolve design or other problems

Allied Engineering Consultants Pvt. Limited

01-11-2017 - 03-03-2018

Project Coordinator

- > Coordinate and direct projects, making detailed plans to accomplish goals and directing the integration of technical activities
- > Consult or negotiate with clients to prepare project specifications
- > Present and explain proposals, reports, or findings to clients

Community Involvement

- **Organizations** – YAROH welfare organization & Mainstream

Reference

Reference will be furnished if stipulated.