

Umair Aziz Awan

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Summary

As a fresh mechanical engineering graduate, I am seeking a job in a well reputed organization where I can expand my professional and Interpersonal skills. I have an experience of various technical and non-technical roles in projects, competitions and Societies, along with some Internship experience.

Internship

Company: **HMC Taxilla**

(Heavy Mechanical Complex)

Duration: 28 June 2016 to 7 August 2016

Final Year Project

Design and Development of a "Novel Rain Cycle Inspired Water Purification (**HDH**) system".

Related Fields: Desalination, HVAC, Heat transfer

Major Projects

- ✓ Experimental study on a Solar still with PCM incorporation
- ✓ Solar still productivity estimation using matlab coded simulations.
- ✓ Study of Heat transfer in a bubble using COMSOL Multiphysics.
- ✓ Experimental Study on "Vertical Ground Reaction Force" experienced by bowlers in cricket.
- ✓ Design and fabrication of an Anemometer to measure wind speed
- ✓ Study of air flow in a CD nozzle.
- ✓ Structural Design of a Hyperloop pod.

Organized Events

DICE Mega Innovation and Entrepreneurship Event 2016	NUST Human Foosball Competition 2016	Entre-prize 2016 DICE Student Chapter
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Education

B.Sc. Mechanical Engineering

Institution: **NUST SMME (National University of Science and Technology Islamabad, Pakistan)**

CGPA: **3.42/4**

Date: 10 June 2018

F.Sc Marks: 910/1100 (82.72%) Year : 2014

Institution: F.G Sir Syed College Rawalpindi

Matric Marks: 949/1050 (90.38%) Year : 2012

Institution: APS Ordnance Road Rawalpindi

Professional Skills

- ✓ CAD (*Solidworks, Creo, AutoCAD, Pro E*)
- ✓ Design and Analysis (*Ansys, COMSOL*)
- ✓ Programming (*Matlab, C++, C#*)
- ✓ Instrumentation (*Arduino*)
- ✓ Certified MS Word 2013 Expert
- ✓ MS Excel, PowerPoint

Competitions

FICS 2018 Project: Solar Still Stage 2	NUST SSBC 2018 Finalist	FICS 2018 Project: Abb o Hawa Stage 2
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Social Work

Community Service work	
Orphanage work	Women Empowerment via Technical Training
DICE NUST Publications Head, 2016-17	
ASHRAE NUST Chapter Publications and Liaison Head ,2016	

References to be furnished on Request