

# M. Umair Shafi

## Mechanical Engineer

Enthusiastic fresh graduate having competency to adapt a new environment, pleased to provide my finest abilities and aims to begin career with any reputable organization, which provides an opportunity to excel in field of Engineering.



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## WORK EXPERIENCE

### Internee Engineer

Attock Refinery Limited (A.R.L)

07/2016 – 09/2016

Morgah, Rawalpindi.

## PERSONAL PROJECTS

Mathematical Modeling of H.V.A.C for University

- Detailed calculations of 'Heating & Cooling Load' for CUST Building by thorough analysis of the assigned block to give recommendations based on our results for the betterment.

Bullet Impact Analysis on Thin Metal Plates

- An attempt has been made to study the response of composite targets against projectile impact & analysis of Bullet Impact is done by using simulation software against thin metal targets.

Design, Analysis & Development of Fodder Harvester

- A 'Final Year Project' comprises 2 Semesters, starting from the primary design of the project on 3D design software, creating computer simulated model for analysis on the Engr. Simulation software 'ANSYS', to determine how a model will function with different working conditions without making of a test product, that leads to the successful development of the prototype.

## EDUCATION

### B.E (Mechanical Engineering)

Mohammad Ali Jinnah University,  
(M.A.J.U), Islamabad.

09/2013 – 01/2018

2.82/4.00

#### Courses

- |                      |                          |
|----------------------|--------------------------|
| Thermodynamics       | Machine Design           |
| Fluid Mechanics      | Mechanical Vibrations    |
| Heat & Mass Transfer | Introduction to Robotics |
| H.V.A.C              | Finite Element Methods   |
| I.C Engines          | CAD (Pro-E) Lab          |

### F.Sc (Pre-Engineering)

Punjab College of Information Technology

08/2011 – 05/2013

1<sup>st</sup> Division

#### Courses

- |             |           |
|-------------|-----------|
| Mathematics | Chemistry |
| Physics     |           |

## SKILLS

MS-Office



3D Design Software (Pro-E)



Engr. Simulations (ANSYS)



MATLAB



Teamwork



## HONORS & AWARDS

Dean's Roll of Honor

Received Dean's Roll of Honor Certificate for excellent performance in 8th Semester.

Best Final Year Project Award

Got First Position in 'Final Year Project Open House' of Mechanical Engineering Department.

## CERTIFICATES

Certificate of Appreciation (A.S.M.E) (2015)

Received from H.O.D on successful 'Bridge Building Competition' event.

Certificate of Participation (NEECA) (2017)

Awarded certificate for attending session on 'Energy Efficiency' by National Energy Efficiency & Conservation Authority.

## LANGUAGES

Urdu



English



## ORGANIZATIONS

A.S.M.E (American Society of Mechanical Engineers)

A.S.H.R.A.E (American Society of Heating,  
Refrigerating and Air-Conditioning Engineers)

Save Energy & Environment Society CUST (S.E.E.S.C)