



RAHEEL SHAIKH

Mechanical Engineer

📍 C-2/6, A-One Center, Opp. Pakistan Printing Press Quarter, PIB Colony, Karachi

☎ +92 331 2637262

✉ raheelshaikh94@gmail.com

🌐 www.linkedin.com/in/raheel-shaikh2294

Activities & Achievements

- Attended training session on 'Understanding Tanker Truck Safety & Automotive Crash-worthiness'.
- Attended workshop on 'The Art of Personal Branding'.
- Project Management Head at Institute of Mechanical Engineers (IMechE) Chapter at IST.
- Participated and submitted a paper in 4th Student Research Paper Conference (SRPC), 2017
- Part of the organizing team of 1st International Conference on Structural Dynamics and Vibrations, 2014.
- Event Manager at World Space Week and IYC (IST Youth Carnival).
- Awarded with 50% IST Merit Scholarship in 3rd, 4th, 5th and 6th semester.
- Awarded with 100% Merit Scholarship in 1st year of A-Levels

Technical Skills

PTC CREO



CAD Modelling

ANSYS



Workbench (Static Structural, Fluent, CFX)

Microsoft Office



Word, PowerPoint, Excel, Publisher

MATLAB



Other Skills

- Good communication skills.
- Good problem solving ability.
- Hard-worker.
- Team player.
- Good leadership skills.
- Good managerial skills.

Summary

A dedicated and self-motivated mechanical engineering graduate seeking a challenging position in a progressive firm that encourages professional growth and where I can utilize my knowledge and skills to achieve organizational goals.

Education

2013 - 2017

Bachelors in Mechanical Engineering (CGPA = 3.35/4.00)

Institute Of Space Technology, Islamabad

Modules and electives were mainly based on Engineering Mechanics, Mechanics of Materials, Fluid Mechanics, Mechanical Vibrations, Thermodynamics, IC Engines, Refrigeration & AC, Turbomachinery, Power Plant Technology, Computational Fluid Dynamics and Engineering Management.

2011 - 2013

GCE A-Levels

Beaconhouse School System, Karachi

Maths (A), Physics (B), Chemistry (B)

2009 - 2011

GCE O-Levels

Karachi Public School, Karachi

Maths (A), Physics (A), Chemistry (A), Computer Studies (A), English (A)

Work experience

06 Feb 2018 - Present

Trainee Engineer

HASCOL Petroleum Limited, Karachi

- Working as a trainee engineer in the Logistics Department.
- Involved in the management of the Company owned contractor operated (COCO) Fleet.
- Daily inspection and maintenance of the tank lorries.
- Monitoring of the COCO fleet using the tracker system to avoid any kind of violation of company policies.
- Ensure that the Oil Tank Lorries used in logistics must comply with the OGRA 2009 ADR Standards.
- Conducting drivers training sessions to make them aware of the safety hazards related to driving and product handling.
- Coordinating with the Transportation and Network Optimization Teams to ensure deployment of best practices in a prioritized fashion with the highest impact initiatives implemented first.

27 Jul 2017 - 12 Aug 2017

(2 Weeks)

Intern

Lucky Cement Limited, Karachi Plant

- Worked as an internee in the Cement Mill Area.
- Observed the working of different areas (Clinker storage, Cement proportionality unit, Cement mills, Silo, Packing unit).
- Understood the working of both Horizontal Ball mill and vertical mill.
- Studied Engineering Drawings of different working units present in the Cement Mill Area.
- Learned about the Inventory Management System (Searching of spare parts in the store, Ordering parts when required, Issuing instruments).
- Performed maintenance of different parts along with experts like replacement of the bearings of the roller shaft of vertical mill and replacement of grease distributor of vertical mill.

20 Jul 2016 - 20 Aug 2016

(4 Weeks)

Intern

SGS Pakistan Pvt. Limited, Karachi

- Worked as an internee in the inspection department.
- Performed inspection of oil tank repairing (Material inspection, welding, sand blasting and paint job).
- Various NDT techniques were observed like Dye Penetrant Testing, Hydro testing and Radiographic testing.

Projects

2016 - 2017

Design, Analysis & Development of Micro Hydroelectric Turbine Using Composite Materials

Final Year Project

- The project covers Designing and Fabrication of a Micro Hydroelectric Pelton Wheel Turbine.
- It has the ability to produce 100 W of power.
- Glass fiber is used as the composite material to increase its strength to weight ratio and make it corrosion resistant.

Other Projects

- Vibration Analysis of Suspension System of a car using MATLAB Simulink
- Mini Stirling Engine
- Automatic Light Switching Circuit
- Heat Transfer Analysis of a Finned Plate using ANSYS
- Line Following Vehicle
- Design and Fabrication of Go-Kart (Car)