

# Hanzalah Sharif

## Mechanical Engineer

A nerd who is into sports, a foody who is on dieting and an engineer looking for some playtime. Let's meet up ?



hanzalahsharif@gmail.com ✉

+923324794589 📞

Lahore, Pakistan 📍

linkedin.com/in/hanzalahsharif in

## EDUCATION

### B.Sc Mechanical Engineering

University of Engineering and Technology,  
Lahore 🇵🇰

09/2014 – 08/2018

3.90/4.00

### F.Sc Pre-Engineering

Government College University, Lahore 🇵🇰

09/2012 – 08/2014

990/1100 (90%)

### Matriculation

The Punjab School, Lahore 🇵🇰

04/2010 – 08/2012

986/1050 (94%)

## WORK EXPERIENCE

### AMAL Academy

Career Prep Fellow

10/2017 – 01/2018

Lahore, Pakistan

- **Competitiveness:** Completed a competitive written application and interview process to be selected from over 2300 applicants for an intensive 3-month Fellowship funded by Stanford University
- **Skills Development:** Invested 150 hours in order to develop business skills (e.g., communication, leadership, problem solving, teamwork, etc.) that will help me make a deeper impact on the job

### Mechanical Engineering Intern

PEL 🇵🇰

08/2017

Lahore, Pakistan

- **Surveying and Documentation:** Authored a comprehensive report on the operations carried out under the refrigeration wing and implemented improved techniques to save operation costs by 4%
- **Communication:** Attended BLOOM seminar on skills development and addressed a gathering of about 70 participants

### Mechanical Engineering Intern

Packages Limited 🇵🇰

06/2017 – 07/2017

Lahore, Pakistan

- **Result-Oriented:** Improved overall equipment efficiency (OEE) of cutting & creasing (CC) machines in BUFC department by 23.47% through the assembly of Kerma machine
- **Statistical Skills:** Compiled data file on operation of CC machines and guided the SAP coordinator for its sustainability
- **Supervision:** Successfully implemented 5S methodology in the CC section to ensure clean environment and timely completion of work

### Asst. Manager IC Engine Section

ASME (UET) 🇵🇰

09/2016 – 05/2017

Lahore, Pakistan

- **Mentoring Skills:** Coached the basics of IC Engine to a class of 50 undergrad students and familiarized them with the concept of alternative fuel
- **Teamwork and Creativity:** Collaborated with other asst. managers to customize gasoline engine for use of ethanol-gasoline blend as alternative fuel

## SOFTWARE SKILLS

MS Office



MATLAB



AutoCAD



SolidEdge



ANSYS



## PROJECTS

Solar Resource Assessment for Pakistan  
(09/2017 – 08/2018)

- **Data Modeling and Assessment:** Assimilated data sets from 6 different reanalysis products and provided detailed assessment of the surface measured data w.r.t satellite data
- **Research Work:** Authored a research paper identifying the key differences in the current analysis of solar assessment and previous versions and the corresponding bias involved
- **International Recognition:** Abstract accepted in "EuroSun 2018", an international conference on Solar Energy Resources, which took place in Switzerland

Vortex Tube Refrigeration (02/2017 – 06/2017)

- **Research Skills:** Reviewed research data on the technological advancement of Vortex Tube Refrigeration and co-authored a Review Paper

Spark Plug Modeling (09/2016 – 01/2017)

- **Solid Edge Skills:** Designed a 3D model of a Honda CD-70 Motorbike spark plug using Solid Edge

## EXTRA-CURRICULAR

The STREETS (04/2015 – Present)

*Event Management: Organized Annual Azadi Festival in 2015, 2016 and 2017; Leadership: Coordinated with 4 other team members and lead multiple volunteers to successfully arrange the competitions in each year's festival; Strategic Planning: Expanded the festival each year by planning for the additional finances and strengthening the event outreach*

Mechanical Volunteers Club (09/2015 – 06/2018)

*Event Management: Organized multiple events for the Mechanical department including engineering competitions as well as social networking events; Leadership: Served as the Class Representative for 3 years and coordinated between the upper hierarchy of department and the students of our session*

## LANGUAGES

English



Urdu



## INTERESTS

Pakistan

Mathematics

Food

Cricket

Football

E-Sports

Travel

Photography