

Muhammad Hamza Shakeel (Mechanical Engineer)

Date of birth: 16/08/2001 | **Place of birth:** Rawalpindi, Pakistan | **Gender:** Male | **Phone number:** (+92) 3400155926 (Mobile) | **Email address:** mhamza.me43ceme@student.nust.edu.pk | **Address:** Allahabad, Westridge III, RWP, Rawalpindi, Pakistan (Home)

● ABOUT ME

As a driven Mechanical Engineer with a passion for ongoing learning, I am eager to secure a challenging role in a reputable organization where I can apply my mechanical engineering skills and knowledge in managing laboratories, supporting faculty in research, and assisting students in developing practical skills within a university environment.

● WORK EXPERIENCE

 **HEAVY INDUSTRY TAXILA** – TAXILA, PAKISTAN
INTERN – 15/07/2023 – 15/09/2023

- Explored machining, heat treatment, casting, and forging processes under close hands-on exposure to precision engineering and materials science
- Assisted in CNC machining operations for the proper precision and conformity to the design specifications.

 **KOHINOOR TEXTILE MILLS** – RAWALPINDI, PAKISTAN
INTERN – 15/08/2024 – 15/09/2024

- Maintained and troubleshot Internal Combustion (IC) Engines, ensuring reliable operation and minimizing downtime
- Analyzing the performance of the engine and suggesting improvements to fuel efficiency

● MANAGEMENT EXPERIENCE

2022 – CURRENT
Educational Institute Administration

● EDUCATION AND TRAINING

2021 – 2025
BS IN MECHANICAL ENGINEERING National University of Science and Technology, NUST, CEME, CGPA: 3.52

2016 – 2020
MATRICULATION, FSC PRE ENGINEERING Military College Jhelum

● PROJECTS

FYP: Research on Effect of impact angle and viscosity on Hydro-abrasive erosion of Pelton Turbine Bucket, Bluetooth-Controlled Obstacle Avoiding Car, Gearless Transmission Mechanism, Electronic Voting Machine using C++, Research on Lithium Ion Battery materials, Cylindrical vessel flow simulation using CFD, Two dimensional unsteady incompressible flow past a stationary circular cylinder at Reynolds number of 100 using CFD

● CERTIFICATIONS

MATLAB (Coursera), 3D Design Solidworks, ASME membership

● TECHNICAL SKILLS

3D Design (Creo, Solidworks, Fusion 360), Programming (C++, C, MATLAB, LAB VIEW), Micro-Controllers (Arduino, ESP-32), Simulations (Solidworks, Ansys, CFD)