

TAHA FARRUKH

MECHANICAL ENGINEERING STUDENT

CONTACT

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📍 Rawalpindi

🌐 <https://l2faulty.github.io/tahafarrukh>

SKILLS

- Solidworks
- AutoCAD
- Ansys / FEA
- Matlab
- Python
- MS Office

AWARDS

- 1st Place – ASME IAM3D 2025



CERTIFICATIONS

- AI for Mechanical Engineers
(University of Michigan)
- Rocket Science 101
(University of Michigan)
- Eng. & Product Design
(Arizona State University)



ABOUT

Mechanical Engineering Undergraduate (NUST '28) focused on **automotive systems and manufacturing**. **1st Place** at **ASME EFX iAM3D** and **Team 95 member** with hands-on **fabrication experience**. Strong proficiency in **Applied Mechanics** and **Thermo-Fluids** with **proven leadership**, having raised over **130k PKR** for **community initiatives**. Seeking an internship to apply CAD and operational skills.



EXPERIENCE

NUST Team 95

2025 - Present

Manufacturing and Resources Member

- Managed the **full mechanical assembly** of the buggy frame and suspension components, ensuring 100% readiness for track performance.
- Engineered a **chassis weight-reduction strategy** that shaved off **30kg** to improve acceleration while maintaining structural integrity.



PROJECTS

ASME EFX iAM3D

1st Place

- Secured **1st Place in the ASME IAM3D** competition by leading the design and fabrication of a high-performance mechanical assembly.
- Utilized **SolidWorks** and **DFAM principles** to optimize component topology, maximizing the strength to weight ratio for additive manufacturing.
- Validated engineering designs through **rigorous load testing**, the final prototype met precise tolerances and demonstrated robust performance under stress.

Humanitarian Fundraising Drive

HSF Orphanage

- Led a **humanitarian initiative for HSF Orphanage**, successfully raising over **PKR 130,000** through strategic community outreach.
- Directed the **entire project**, overseeing campaign coordination, procurement logistics, and the final delivery of essential supplies to beneficiaries.
- Exceeded initial financial targets by optimizing resource allocation and demonstrating **effective team leadership** in a real-world setting.



EDUCATION

Bachelor of Engineering in Mechanical Engineering

2024 - Present

SMME, NUST H-12

cGPA: 3.13

CAIE, Pre Engineering

2021- 2024

O Levels: 3 A*, 5 A

A Levels: 1 A, 2 B