


# TAHA FARRUKH

## MECHANICAL ENGINEERING STUDENT

### CONTACT

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### 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 PKR 130k+ for community initiatives. Seeking an internship to apply CAD and operational skills.



### EXPERIENCE

- NUST Team 95**

2025 - Present

Manufacturing and Resources Member

Works as a Manufacturing Member for the university's racing buggy team. Managed manufacturing resources and material stocks to ensure efficient production without delays. Handles the full mechanical assembly of the frame and components to ensure the buggy is durable and ready for track performance.



### 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. I utilized SolidWorks and DFAM principles to optimize the component for strength and weight, then executed the physical production using 3D printing. The final prototype met precise tolerances and demonstrated robust mechanical performance under load, validating our engineering approach against rival teams.
- Humanitarian Fundraising Drive**

HSF Orphanage

Directed a humanitarian initiative for HSF Orphanage, leading a team to successfully raise over PKR 130,000 through strategic outreach. I managed the entire project, from coordinating the fundraising campaign to procuring and delivering essential supplies to the beneficiaries. The initiative exceeded our initial financial targets, demonstrating effective leadership, resource allocation, and team management in a real-world setting.

### SKILLS

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

### AWARDS

- 1<sup>st</sup> Place – ASME IAM3D 2025



### CERTIFICATIONS

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



### 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