

# Reyyan Mahboob

Mechanical Engineering Student

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2nd-year Mechanical Engineer at NUST. Skilled in SolidWorks, ANSYS, Python. Focused on CFD & FEA projects in clean energy.

## EDUCATION

### B.E. Mechanical Engineering, NUST 2023–2027 (Expected)

CGPA: 3.4/4.0

## WORK EXPERIENCE

### Mechanical Intern

Multisupport Engineering & Consultancy  
Services | Jun 2024 – Aug 2024

#### Achievements/Tasks

- Assisted with basic machining and engineering operations
- Conducted FEA/CFD simulations using SolidWorks and ANSYS

### Research Intern – Chassis Design

Team Formula Student (NFST), NUST | SEP  
2024 – Feb 2025

#### Achievements/Tasks

- Performed strength/stress analysis of Formula Student chassis
- Contributed to iterative design improvements using ANSYS

## ORGANIZATIONS

Team Formula Student – NFST Role: Chassis Design  
Division (2024 – Present), NVC Volunteers (2024)

## SKILLS

Technical: SolidWorks, CATIA V5, ANSYS Fluent,  
MATLAB, C++, Python

Tools: MS Office, LaTeX, Trello, Git

Soft: Technical writing, teamwork, communication

## PERSONAL PROJECTS

### Analysis

- FEA -F1 Chassis , CFD -Turbocharger Impeller

### Programming

- Image Editing App (MATLAB) , Hotel Management System (C++)

## CERTIFICATES

3DSwymer Associate (SolidWorks)

### Coursera:

CFD-Centrifugal Pump , GT Car Spoiler , FEA Convergence & Mesh  
Independence , FEM Linear/Nonlinear Analysis

## ACHIEVEMENTS

High Achiever Award , NUST

Earned for academic excellence ( 4 < SGPA > 3.5)

## LANGUAGES

English  
Professional Working  
Proficiency

Urdu  
Professional Working  
Proficiency

German  
Elementary Proficiency

## INTERESTS

Clean Energy Systems

Aerospace & Space Design

CFD/FEA Virtual Prototyping