

ADITYA SINGH

Mechanical Engineering Student

PROFILE

Mechanical engineering student with hands-on experience in CAD, fabrication and a student formula racing team. Seeking a graduate engineer role in design or manufacturing.

EDUCATION

B.Tech, Mechanical Engineering

2022 – 2026

Northern Institute of Engineering & Technology · CGPA 8.3 / 10

Class XII (UP Board)

2022

Aster Grove Inter College · 90.8%

PROJECTS

Formula Student car — chassis team

2023 – 2025

SolidWorks, ANSYS

- Designed the space-frame chassis; cut weight by 8 kg while improving stiffness.

Solar-powered vegetable dryer

2024

Fabrication

- Built a low-cost dryer prototype for a village self-help group.

INTERNSHIP

Summer Trainee

Jun – Jul 2025

Kestrel Mobility, Hosur

- Studied assembly-line bottlenecks and proposed a fixture that saved 12 s per unit.

CONTACT

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SKILLS

CAD modelling

FEA

Manufacturing processes

GD&T basics

Teamwork

TOOLS

SolidWorks

AutoCAD

ANSYS

MATLAB

COURSEWORK

Machine Design

Thermodynamics

Manufacturing Technology

Fluid Mechanics

ACHIEVEMENTS

- National-level rank, student formula event (2024)
- Merit scholarship (2023, 2024)

LEADERSHIP

- Captain, college football team