



Pranav Prashant Malwadkar

2023UME1929

Bachelor of Technology

Mechanical(Minors In Computer Science Engineering)

Malaviya National Institute Of Technology, Jaipur

+91-7841942701

2023ume1929@mnit.ac.in

malwadkarpranav07@gmail.com

EDUCATION

- **Malaviya National Institute of Technology, Jaipur** 2023-Present
B.Tech in Mechanical Engineering CGPA : 8.66
- **Sant Dyaneshwar Junior College, Class 12** 2023
Higher Secondary Certificate, Maharashtra State Board Percentage: 83.83
- **Prodigy Public School, Class 10** 2021
Central Board of Secondary Education, New Delhi Percentage: 97

PERSONAL PROJECTS

- **Design of Low Noise Generating Main Stand for Motorcycles** April 2025
BAJAJ TORQ 2025
 - Engineered a low-noise main stand for a competition, tackling excessive noise and vibration in conventional designs. Used simulation software and CAD for design optimization.
 - Leveraged FEA for modal/stress analysis and CAD for geometric refinement, enhancing NVH characteristics and structural integrity. Significantly reduced sound pressure levels.
 - Successfully proposed an innovative mechanical design, demonstrating strong analytical and problem-solving skills.
- **Predictive Performance Analytics** March 2025
Tech Stack: Python, Flask, scikit-learn, joblib, HTML
 - Pulled together and cleaned raw data from Kaggle and Google Forms using Python, building a solid base for advanced analysis.
 - Built and fine-tuned machine learning models (ANN, Random Forest) with Python's scikit-learn on engineered features, rigorously checking their accuracy using AUC curves.
 - Launched a Flask web app (joblib) for interactive predictions, where Matplotlib helped clearly show key insights and model outputs.

TECHNICAL SKILLS AND INTERESTS

CAD/Design Software: AutoCAD, Fusion 360, Inventor, Solidworks

Programming Languages: Python, MATLAB, SQL

Tools: Github, Excel, Canva

Soft Skills: Leadership, Critical Thinking, Team Management, Technical Communication, Problem Solving, Project Management

Coursework and Areas of Interest: Strength of Materials, Thermal Engineering, Production Engineering, Machine Learning Application

POSITIONS OF RESPONSIBILITY

- **Senior Executive**, CAE Society, MNIT Jaipur Nov 2024-Present
Conducted an AutoCAD workshop attended by 100+ students, handling promotions and execution.
- **Technical Secretary**, Travel and Heritage Club, MNIT Jaipur Aug 2025-Present
Handled technical tasks for the club, including poster design and spreadsheet management.
- **Editor**, Institute Newsletter, MNIT Jaipur Sept 2024-Present
Edited the institute's newsletter, proofreading, and ensuring timely publication.
- **Student Training Coordinator**, Placement Cell, MNIT Jaipur Sept 2025-Present
-Responsible for designing posters of events and organizing events like 'Kaipoche'.

ACHIEVEMENTS

- **BAJAJ TORQ 2025 CAMPUS WINNER** -Proposed and developed a solution for the design of Low Noise Generating Main Stand for Motorcycles. Won a prize money of 30K Rupees.
- **JEE MAINS 2023 Qualified** Scored 97.41 percentile among 1.3 million candidates nationwide.
- **MHT-CET 2023 Qualified** Scored 97.88 percentile, ranked among top performers.