



MAURYA GAJJAR

MECHANICAL ENGINEERING UNDERGRADUATE
ASPIRING AEROSPACE ENGINEER

CONTACT

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Navi Mumbai, MH

[LinkedIn](#)

SKILLS

- AutoCAD
- CATIA
- ANSYS
- Python
- C++
- Mathematica
- Microsoft Office
- LaserCAD

INTERESTS

- Airframe & Fuselage Design
- Finite Element Analysis
- Additive Manufacturing
- Aerospace Structures



PROFILE

Mechanical Engineering undergraduate with a focused interest in aerospace structural and airframe design. Experienced in CAD modeling, introductory finite element analysis, and rapid prototyping. Actively seeking internship opportunities in aerospace and mechanical design to apply engineering fundamentals to real-world problems.



TECHNICAL EXPERIENCE/PROJECTS

SPCE W.A.V.E

2025 -

Fuselage & Airframe Design Engineer

- Assisted in CAD modeling of airframe and fuselage components using CATIA
- Contributed to structured technical documentation and design reports
- Participated in preliminary design validation using analytical methods
- Worked in a multidisciplinary student engineering team

Laser Piano

2024

- Built a laser-based piano using C++-controlled laser-LDR setup
- Programmed logic to convert beam interruption into sound output
- Calibrated sensors for accuracy and responsiveness

3-D Printed Gimball

2025

- Modeled components in CATIA
- Optimized geometry for printability and strength
- Manufactured using FDM 3D printing



ACTIVITIES

Football

Semi Professional

- Champions of 5th Tier Indian Football League (2023-24)
- Vice-Captain, Thane District Team - WIFA Inter-District U-20 (2025)
- Represented SPCE at University of Mumbai Tournament

Tutor

schoolhouse.world

- Tutored high school mathematics concepts
- Strengthened problem-solving and communication skills



EDUCATION

Bachelor of Technology (B.Tech.) - Mechanical Engineering

2024-2028

Sardar Patel College of Engineering, Mumbai