

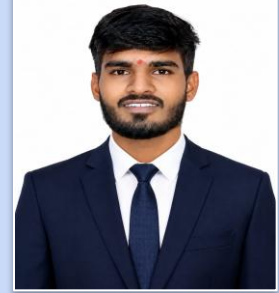
Mahesh Uttam Gandhale

Mechanical Engineer

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PROFESSIONAL SUMMARY

Mechanical Engineer with knowledge of CAD, CATIA, basic ANSYS, manufacturing processes, and production operations. Skilled in understanding mechanical designs, analyzing engineering problems, and applying practical knowledge to manufacturing and production activities. Interested in machine design, manufacturing, production, and maintenance, with a strong willingness to learn new technologies and develop practical engineering skills.

KEY SKILLS

- Basic CAD and 3D modeling using CATIA V5, Fusion 360, and Creo.
- Basic knowledge of Finite Element Analysis (FEA) using ANSYS.
- Familiar with production and manufacturing processes.
- Knowledge of Microsoft Excel for data handling and basic analysis.
- Strong problem-solving, teamwork, communication, and learning abilities.

ACADEMIC PROJECTS

- Solar-powered adjustable boom sprayers for precision and consistent crop coverage [2024]
- Automated Corn Shelling and Threshing Machine for Small Scale Farmers [2024]
- Design and development of an automated bottle crushing machine [2025]
- Design and development of paper based microfluidic device for potassium detection [2025]
- Design and Development of sensor Assisted camera system for Detecting animal Beneath Parked Vehicle [2026-27]

LANGUAGES

- Marathi
- English - Fluent
- Hindi
- German -Beginner (A1), Currently Learning

EDUCATION

- **Bachelor of Engineering (B.E.) – Mechanical Engineering (PAHSUS)**
2024 – 2027 | CGPA: 9.27/10
- **Diploma in Mechanical Engineering (MSBTE)**
2021 – 2024 | Percentage: 84.67%
- **Secondary School Certificate (SSC)**
Maharashtra State Board, Pune Division
Percentage: 86.40%

ACHIEVEMENTS & COMPETITIONS

- **Winner** - Project Exhibition, VVP College, **2024**
- **Runner - Up**, Project Exhibition, SVERI's College of Engineering, Pandharpur, **2024**
- **Participations** – 20+ Technical Events
- **Design Patents** – 2 Granted , 2 Under Process
- **Paper Publication** – 3

EXTRACURRICULAR & LEADERSHIP ACTIVITIES

- **Earn & Learn Scheme Coordinator** : Coordinated student activities, managed responsibilities, and supported the effective implementation of the Earn & Learn Scheme. (2022 - 2024)
- **National Service Scheme (NSS) – Police Mitra**: Contributed to community service and supported police-led social awareness and public service activities. (2024 – Till)

HOBBIES

- Playing with machines and repairing them
- Repairing non-functional machines and vehicles.