

GIRISH GAJENDRA GAIKWAD

MECHANICAL ENGINEER

OBJECTIVE

Enthusiastic Mechanical Engineering fresher seeking entry-level role to apply design, manufacturing, and problem-solving skills, contribute to innovative projects, and grow with the organization.

EDUCATION

B. Tech, Mechanical Engineering, 2022-2026
DKTE Society's Textile & Engineering Institute, Ichalkaranji
Marks: 6.80 CGPA

HSC 12TH, 2022
Parisanna Ingrole JR College , Hupari
Marks : 57.83 %

SSC 10TH, 2020
Janta Vidyalay, Hupari
Marks : 81.00 %

COURSES

- Completed Ansys software workshop
- Completed SolidWorks software course
- NPTEL course Design, Innovation & Technology
- Completed Robotic Process Automation course.
- Completed one-week programs on Design Fundamentals.
- Completed fire and Safety course
- Ready Engineer Certified by TATA TECHNOLOGY.
- Completed MATLAB On camp course - MATHWORKS training (Online)

COMPUTER PROFICIENCY

- **Software's:** SolidWorks, AutoCAD, Ansys, Catia v5(basic).
- **Others:** Microsoft Excel, Microsoft Word PowerPoint

ACHIEVEMENT

- MESA Event Coordinator
- Coordinator In TECH SYMPOSIUM 2024
- DKTE Badminton Team Player

CONTACT

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LANGUAGE

- English
- Marathi
- Hindi

SKILLS

- Leadership.
- Communication.
- Time Management.
- Problem Solving.
- Quick learner
- Creativity

TECHNICAL SKILLS

- CAD Modeling
- Proficiency in SOLIDWORKS
- Manufacturing processes
- Metrology
- Quality Inspection
- Production Planning and Control

HOBBIES

- Trekking
- Traveling
- Photography

PROJECTS

- **ANALYSIS OF SOIL FERTILITY FOR SUGER CANE CROP USING MACHINE LEARNING (BE Mega Project) :**

Development of automated solution for obtaining soil parameters and its analysis for estimating quantities of additives in soil resulting in enhanced sugarcane yield using Machine Learning algorithm

- **SOLAR GRASS CUTTER:**

Solar grass cutter is an eco-friendly and automated grass-cutting device powered by solar energy. This mini projects aims to design and develop a small, efficient, and cost- effective grass cutting machine that operates using solar power instead of conventional fuel- based engines.

- **MOBILE HOLDER STAND WITH CHARGER:**

The mobile holder stand features a disk controlling two plates for simultaneous adjustment, fitting various phone sizes. A clamp with a padded jaw and squeeze handle ensures firm grip via a slot mechanism. LED lights enhance video recording in low light. Adjustable slots enable flexible viewing angles and heights, providing stability and versatility for mobile phones and tablets.

- **MULTI PURPOSE ELECTRIC EXTENSION:**

The multipurpose switch box is a compact, wireless, and versatile system designed to operate multiple devices from a single unit. It includes mini drawers for storing essentials like chargers or small items, making it convenient and portable. Unlike conventional wired switch boxes, it can function without electricity, ensuring reliable usage for both household and transportation applications.

WORK EXPERIENCE

- **AETHRONE AEROSPACE – Design Engineer – Present**

Designed and modified 3D mechanical components and assemblies using SOLIDWORKS.

Prepared 2D manufacturing drawings with dimensions and annotations.

Worked on launcher system components and mechanical support structures.

Assisted in the selection and analysis of screw jacks and lifting mechanisms for launcher stabilization.

Performed basic engineering calculations related to load, force, acceleration, and structural stability.

Coordinated with senior engineers to optimize mechanical designs for manufacturability and performance.

Supported prototype development, design reviews, and engineering documentation.

- **NATASHA FIN TUBES PVT. LTD. (June-July 2026)**

Intern Technical Design Intern

Prepared and modified AutoCAD 2D manufacturing drawings, GADs, and component drawings for heat exchangers.

Supported heat exchanger and fin tube design based on customer and manufacturing requirements.

Assisted in basic design validation and engineering analysis using ANSYS concepts and engineering calculations.

Prepared technical documentation, BOMs, and drawing revisions.

Coordinated with production, quality, and sales teams for smooth project execution. Provided technical support during fabrication, design modifications, and NPD activities.

- SHARV POLYPLAST Pvt. Ltd.Pune – Industrial Training

10 Dec 2024 – 24 Dec 2024

Gained practical exposure to plastic injection moulding manufacturing for components used in remotes, sensors, and switches.

Worked in the Production, Quality Inspection, Maintenance, Tool Room, and Design departments. Assisted in the inspection of moulded components using standard quality inspection procedures. Learned mould assembly, maintenance, and preventive maintenance practices in the Tool Room. Observed the complete manufacturing process from raw material preparation to finished product inspection.

Developed knowledge of production planning, process control, defect identification, and manufacturing documentation.
