

GUNAKAR POTALA

Andhra Pradesh, India
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Objective

Final-year Mechanical Engineering student with strong technical skills in CAD tools, CNC operations, and engineering fundamentals. Eager to apply practical knowledge through innovative projects and real-world challenges, and to contribute effectively to a dynamic organization focused on manufacturing, design, or process optimization.

Education

B.Tech in Mechanical Engineering

Dr. B. R. Ambedkar University, Srikakulam

2022 – 2025

CGPA: 8.3

Diploma in Mechanical Engineering

D. A. Government Polytechnic College, Ongole

2019 – 2022

CGPA: 7.9

SSC

Z.P. High School, N.K.R Puram

2018 – 2019

CGPA: 8.7

Certifications

- Certified in SolidWorks from APSSDC
- Certified in Drone Technology by ROSYS Virtual Solutions Pvt. Ltd.
- 6-Month Training Certification from Visakhapatnam Port

Projects

Fire-Resistant Composite Material Fabrication

As part of my academic project, I developed a fire-resistant composite material using basalt and glass fibers along with epoxy resin. The objective was to improve thermal resistance for structural components. I handled the material layering process and conducted tests that confirmed enhanced durability and fire tolerance.

Hydraulic Press Design

In this project, I designed and built a small-scale hydraulic press by applying fluid mechanics and mechanical design principles. I used AutoCAD to create detailed dimensional drawings and calculated the necessary force and pressure specifications. The final model successfully demonstrated pressing operations for small metal parts.

Skills

Programming Languages: C, Python, SQL

Technical Skills: AutoCAD, CNC Operations

Soft Skills: Teamwork, Time Management, Communication, Leadership