

# NIKHIL AJJARAPU

Mechanical Engineering Graduate | CAD Design & Drafting

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Portfolio: <https://nikhilajjarapu-portfolio.netlify.app/>

Hyderabad, Telangana

## SUMMARY

Detail-oriented Mechanical Engineering graduate with strong fundamentals in manufacturing, design. Seeking an entry-level position where I can apply my technical knowledge, CAD skills, and problem-solving abilities while continuously learning and contributing to organizational growth

## EXPERIENCE

### VOLUNTEER TEACHER

02/2023 - 12/2025

- Provided academic support to students from Grades 1-5.
- Helped improve foundational skills, maintained classroom discipline
- assisted in organizing learning activities.
- Maintained Student data regularly

### INTERN

#### CAPITAL ENGINEERING

07/2023 - 09/2023

- Prepared 2D engineering drawings using AutoCAD, including orthographic views, sectional views, and proper dimensioning practices.
- Developed 3D mechanical parts and basic assemblies using SolidWorks with feature-based modeling.
- Converted 2D drawings into 3D models and generated drawing sheets for manufacturing reference.
- Received introductory exposure to ANSYS Workbench, including basic understanding of analysis setup and meshing workflow.

## SKILLS

### CORE MECHANICAL ENGINEERING

- Manufacturing Processes (Casting, Machining, Welding, Sheet Metal)
- Strength of Materials – conceptual understanding
- Machine Design fundamentals

### DESIGN & CAD

- AutoCAD 2D & 3D (production drawings, layouts, dimensioning)
- SolidWorks (part modeling, basic assemblies, drawing generation)
- Basic GD&T awareness
- ANSYS Workbench – introductory exposure (static analysis workflow)
- MS Excel, MS Word

## DECLARATION

I hereby declare that the information provided is true to the best of my knowledge.

NIKHIL AJJARAPU

HYDERABAD

## EDUCATION

B.Tech in Mechanical Engineering  
[Swami Vivekananda Engineering College](#)

JNTU Kakinada 2017 - 2021  
Bobbili

Intermediate  
[Vasavi Junior College](#), 2015 - 2017

Parvathipuram

## SOFTWARES

SolidWorks AutoCad 2D & 3D

ANSYS Workbench CAD

## LANGUAGES

Telugu Native

English Proficient

Hindi Intermediate

## CERTIFICATION

### DESIGN ENGINEERING COURSE

#### CERTIFICATION

Capital Engineering Sep-2023

## FIND ME ONLINE

A portal to explore my CAD design work, including parts, assemblies, and surface modeling ([link](#))

<https://nikhilajjarapu-portfolio.netlify.app/>

### Linkedin Profile

[www.linkedin.com/in/nikhilajjarapu618](http://www.linkedin.com/in/nikhilajjarapu618)