

# MOPIDEVI MOUNIKA NAGA PRIYA

## MECHANICAL ENGINEERING

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### EDUCATION

VISHNU INSTITUTE OF TECHNOLOGY  
Bachelor of Technology in  
Mechanical Engineering  
CGPA : 8.02 - 76.19% (upto 5th semester)  
2022 - 2026

SRI CHAITANYA JR COLLEGE, ELURU  
Board of Intermediate  
CGPA : 87.1 - 87.1%  
2020 - 2022

MANASA E.M HIGH SCHOOL  
State Board of Secondary  
Education  
CGPA : 9.8 - 93.1%  
2019 - 2020

### SKILLS

- AutoCAD
- Catia V5
- Ansys
- NXCAD

### SOFT SKILLS

- Creative Thinking
- Team Work
- Effective Communication

### LANGUAGES

- English
- Telugu
- Hindi
- German(Basics)

### ABOUT ME

Highly motivated mechanical engineering graduate seeking a challenging role where I can apply my technical skills and knowledge to contribute to the design, development, and implementation of innovative solutions. I am confident in my ability to work effectively in a team environment and learn from experienced professionals.

### INTERNSHIP/TRAINING

#### SUMMER OF AI INTERNSHIP PROGRAM AT SWECHA

The program provides a unique opportunity for students to work on real-world AI projects, collaborate with experience mentors, and contribute to the development of innovative AI solutions.

### PROJECTS

#### AUTONOMOUS MECANUM CARS FOR INDUSTRIAL APPLICATIONS

- Designed and developed an autonomous Mecanum-wheeled vehicle to streamline industrial processes.
- Integrated advanced object recognition systems, enabling the vehicle to automatically identify items along a predetermined path using sensors and computer vision techniques.
- Focused on increasing operational efficiency and reducing human intervention by automating item identification and communication processes.

### CURRENTLY WORKING ON

#### ADDITIVE MANUFACTURING USING NATURAL FIBERS

- The project mainly focuses on the development of natural fibers reinforced composite filament for 3D printing process
- The project includes the materials like Banana fibers, PLA (Polylactic Acid), POE (Polyolefin Elastomers).

#### PREDICTING MATERIAL PROPERTIES AND DEFECTS USING MACHINE LEARNING

- The project mainly focuses on the development of an application to predict the material properties using machine learning techniques to enhance the production rate in manufacturing processes before the production starts.
- The web application includes Report Analysis, Prediction of material properties, Detection of Defects and Educational purposes which has brief explanation of all the processes performed in manufacturing industries

## **CERTIFICATES**

- Certification on Electric Bike Manufacturing.
- Certification of Winning in INNOVATIVE – GERAVID {Branch level Hackathon}
- Certification of participation in valiant – 2k22 for the project Bluetooth Control Car.
- Certification of Winning in Internal Hackathon.
- Certification of participation in Internal Smart India Hackathon.
- Certification of participation in PIVOT – change is Constant.
- Certification of completion 3 days online workshop on DESIGN AND DEVELOPEMENT OF ELECTRIC 2 WHEELER.
- Certification of participation in Boot camp program on CAPACITY BUILDING THROUGH DESIGN THINKING.
- Certification of Winning in Poster Presentation in Researcher's Day – 2025