

UDAY POLISETTI

Mechanical Engineering Graduate

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Summary

Detail-oriented Mechanical Engineer with hands-on experience as a Project Engineer seeking an opportunity to contribute technical expertise and continuous learning in the automotive and engineering industries.

Professional Experience

Project Engineer (O&M), Zigma Global Environ Solutions Pvt Ltd	01/2026 – Present
- Currently working as a Project Engineer in a Municipal solid waste management company. - Hands-on experience with equipment, SCADA operating system - Managed and coordinated day-to-day project activities to ensure timely completion and operational efficiency. - Monitored project progress, quality standards, and compliance with technical specifications. - Conducted inspections, troubleshooting, and quality checks to maintain performance and safety standards. - Assisted in procurement planning, material coordination, and inventory tracking for project requirements - Ensured adherence to safety regulations, company policies, and industry standards during project execution. - Supported installation, maintenance, and testing activities to achieve project objectives efficiently.	Chennai

Internship

Ansys	06/2024 – 08/2024
- Gained hands-on experience in FEA and CFD using ANSYS tools. - Worked on real-world simulations, optimizing designs, and solving engineering problems. - Worked on meshing techniques and boundary condition setup for accurate simulation results - Gained practical knowledge in static structural analysis and material behaviour testing	

EDUCATION

Bachelor of Technology in Mechanical Engineering, Centurion University, Vizianagaram, Andhra Pradesh CGPA:7.5	2025 Vizianagaram, Andhra Pradesh
Board of Intermediate Education, Narayana Junior College 70% percentage	2021 Andhra Pradesh

SKILLS

Software & Tools

- MS Excel
- MS Office Tools
- AutoCAD
- 3D Experience

Technical Knowledge

- Knowledge in CNC Machining
- Reverse Engineering
- 3D Prototyping

LANGUAGES

- TELUGU
- ENGLISH
- HINDI

HOBBIES

- Playing Cricket
- Watching TV

PROJECT

Electric Bicycle

Designed and developed an eco-friendly electric bicycle equipped with a brushless DC motor and a lithium-ion battery. Integrated features included regenerative braking, speed control, and a digital display for battery status and speed monitoring.

3D prototype differential model

This project involves the design and fabrication of a 3D prototype of a differential mechanism, widely used in automotive engineering to enable smooth power transmission between wheels during turns. The model is created using CAD software for accurate geometric design and manufactured using 3D printing technology.

CERTIFICATES

- Certification in Logistics and Supply Chain Management
- Certified in Aakruthi Global Competition 2024
- Certified in the ALL India 3D Printing Competition

DECLARATION

Declaration

I here by declare that the information provided in the resume is true and accurate to the best of my knowledge.