

Lohit Kumbar

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Summary

Mechanical Engineer with R&D experience as a Prototyping Engineer. Skilled in design, fabrication, QC, and basic operations. Strong track record of turning ideas into functional prototypes.

Work experience

Drishti Works Pvt Ltd. — Junior Prototyping Engineer

Oct 2024 – Present

- Applied mechanical design skills to real-world EV conversion projects.
- Proficient in CAD tools like Fusion 360 and SolidWorks for fixture and mount design.
- Gained exposure to fabrication, assembly processes, and quality control.
- Hands-on experience in equipment maintenance and calibration procedures.
- Understood procurement workflows and vendor coordination.
- Developed leadership skills by supervising fabrication teams for quality output.
- Created and managed Bill of Materials (BOM) for mechanical assemblies.
- Documented project processes, performed root-cause analysis, and contributed to brainstorming solutions.

Drishti Works Pvt Ltd. | Junior Prototyping Engineer intern

July 2024 - Oct 2024

- Gained proficiency in 3D modelling software including SolidWorks and Autodesk Fusion 360.
- Designed and developed mounts and mechanical components for robotics applications.
- Acquired hands-on experience in fabrication, machining, and assembly processes.
- Performed 2D drafting, dimensioning, and creation of technical drawings for manufacturing.
- Involved in the maintenance and calibration of BLDC motors and related systems.
- Trained and guided fabricators to ensure accuracy and quality in engineering design implementation.
- Demonstrated leadership and collaboration skills by coordinating across design and production teams.

Pradeep Phosphate Pvt Ltd, Zuarinagar | mechanical maintenance intern

Aug – Sept 2023

- Gained foundational experience in mechanical equipment maintenance in a chemical plant environment.
- Observed servicing and repair of industrial systems including pumps, heat exchangers, gearboxes, steam turbines, and bearings.
- Learned maintenance protocols for diesel generators and plant power systems.
- Developed an understanding of preventive maintenance, inspection routines, and alignment techniques.
- Acquired knowledge of safety practices and operational standards in plant maintenance.

Skills

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|-------------------------|------------------------|-------------------|---------------|
| • Computer Aided Design | • Critical thinking | • G&M Code | • Leadership |
| • Project management | • Communication skills | • decision making | • 3D printing |

EDUCATION

- **Padre conceicao college of engineering** **2021-2024**
Bachelor's Degree in Mechanical engineering
CGPA-7.1
- **Institute of shipbuilding technology, Bogda** **2018-2021**
Diploma in Mechanical engineering
percentage-70.4%

SOFTWARE

- SolidWorks
- Cura
- Catia
- Microsoft office
- Autodesk fusion 360
- inventor
- Google sheets
- Google slides

PROJECTS

- Smart Helmet
- Anti-Fire System in An Industry
- 3D Printer Filament Manufacturing Unit Using Pet Bottles
- Dust Pollution Control for a Stone Crushing Unit
- Geneva mechanism for production line conveyor system

CERTIFICATIONS

- **FunMinds Learning**
Arduino course (2020)
Entrepreneurship Development (2020)
- **NPTEL**
Public Speaking (2022)
E Business (2023)
Organizational Behaviour (2023).
- **Coursera**
Introduction to MATLAB (2022)

EXTRACURRICULAR ACTIVITIES

- **Indian Society of Heating Refrigeration and Air conditioning engineers** **(2021-2024)**
Committee Treasurer **(2023-2024)**
- **National Service Scheme PCCE Cell** **(2021-2024)**
Organized Snake Awareness event in collaboration with ARS Goa
Organized Beach cleaning drive
- **Consortium Of Students of Mechanical Engineers** **(2021-2024)**
Graphic designer of core working committee **(2022-2024)**