

Akshay M

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Professional Summary

Accomplished Mechanical Engineering professional with a Master's degree and hands-on experience in academic and technical environments. Possesses strong skills in mechanical design, CAD tools (AutoCAD, SolidWorks, CATIA), and project coordination. Gained exposure to reliability engineering concepts and preventive maintenance planning through academic and industrial projects. Eager to leverage a background in technical training, team coordination, and operational support to contribute to a Reliability Maintenance Engineering (RME) team, with a focus on Building & Mechanical Systems.

Core Competencies

- **Technical Skills:** Mechanical Systems, Building Infrastructure, Exposure to Industrial Refrigeration & HVAC Operations, Preventive Maintenance
 - **Leadership & Coordination:** Team Coordination, Project Management, Exposure to Vendor Management and Stakeholder Collaboration
 - **Operational & Technical:** Standard Operating Procedures (SOPs), Quality Control, CAD/CAM, AutoCAD, SolidWorks, CATIA
 - **Financial Acumen:** Exposure to Budget Management and Cost Optimization principles
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Professional Experience

CAD Engineer | CADD Center, Thrissur, Kerala | Aug 2024 – Present

- Delivered technical training sessions on mechanical design and CAD tools, guiding over [Number] students in design principles.
- Designed and optimized 2D/3D mechanical models, producing high-quality design documentation for various projects.
- Collaborated with a team of engineers to develop accurate technical drawings.

Assistant Professor – Mechanical Engineering | Royal College of Engineering & Technology, Thrissur, Kerala | Oct 2022 – Dec 2023

- Coordinated and supervised academic and design projects for final-year students, ensuring project goals were met.
- Delivered lectures and practical sessions on engineering principles and CAD tools, fostering technical skills.
- Contributed to curriculum development, incorporating modern engineering tools and collaborative methods.

Apprentice Mechanical Engineer | Bharat Petroleum Corporation Limited (BPCL), Ernakulam, Kerala | Nov 2019 – Aug 2020

- Assisted in the execution of mechanical system maintenance and installation activities, observing safety and quality standards.
 - Gained exposure to vendor coordination for material handling and technical support.
 - Participated in inspections and performance checks, gaining practical exposure to corrective and preventive maintenance practices, including HVAC operations.
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Education

M.Tech in Production Engineering | Government Engineering College, Thrissur – 2022 | 82.08%

B.Tech in Mechanical Engineering | Axis College of Engineering & Technology – 2018 | 70.80%

Certifications

- **Certified Diploma in Welding** – TUV (QA/QC for Oil & Gas Industry)
 - **Product Design Tools Training** – AutoCAD, SolidWorks, CATIA, Autodesk Inventor
 - **Production Planning and Control** - Udemy (November 2023)
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Industrial Exposure & Projects

- **Intern, Cochin Shipyard Limited:** Observed mechanical operations and maintenance during the shipbuilding process for INS Vikrant, gaining valuable industrial insight.
- **M.Tech Project:** Applied statistical optimization using Minitab to synthesize chitosan-based bionanocomposites, showcasing analytical skills.
- **B.Tech Project:** Designed and fabricated an eco-friendly electric go-kart, integrating an electric drivetrain and safety systems.