

AROMAL R M

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Summary

Mechanical Engineering graduate with hands-on experience in design, fabrication, and analysis of mechanical systems. Proficient in AutoCAD, SolidWorks, and project-based applications, with practical knowledge of assembly, testing, and integration. Strong analytical and problem-solving skills, quick learner, and passionate about applying engineering principles to deliver efficient, innovative, and high-quality solutions.

Education

B.Tech in Mechanical Engineering Nov-2024
Kerala Technological University – UKF College of Engineering and Technology, Paripally CGPA: 6.54

Higher Secondary Education (XII) 2019
NSS HSS Chathannoor Percentage: 86%

Secondary Education (X) 2017
MGD Higher Secondary School Kundara Percentage: 93%

Academic Projects & Experience

Design and Fabrication of an Instant Water Cooler Using Peltier Module

- Designed and fabricated a thermoelectric water cooler, integrating mechanical and thermal components.
- Conducted assembly, testing, and performance optimization for cooling efficiency.
- Applied heat transfer and thermoelectric principles to achieve eco-friendly cooling.
- **Skills demonstrated:** Hands-on engineering, equipment assembly, problem-solving, teamwork.

Blood Bank Management System

- Created an application for donor and blood inventory management with search and update functions.
- Applied OOP principles to build an organized and scalable Java-based system.

Mini Fabrication Project – Lathe & Workshop Skills

- Hands-on experience in lathe operation, turning, facing, and drilling.
- Fabricated mechanical components with precision and accuracy.
- Applied safety protocols and quality checks in all workshop tasks.

Key Skills

- **Mechanical Design & Tools:** AutoCAD, SolidWorks, PTC Creo, Fusion 360
- **Fabrication & Testing:** Lathe operations, mechanical assembly, prototyping, component testing, measurement & quality checks
- **Simulation & Analysis:** MATLAB (basic), ANSYS (basic)
- **Other Skills:** Technical report preparation, system integration, teamwork, problem-solving

Mini Projects

Pump Installation & Testing Project

- Assembled and tested a mechanical pump system, including alignment, coupling, and shaft inspection.
- Performed functional testing for flow and pressure, ensuring operational reliability.
- Developed skills in assembly, troubleshooting, and mechanical system integration.

Additional Information

- **Passport:** Ready
- **Languages:** English (fluent), Malayalam, Hindi (basic)
- **Work Ethics:** Reliable, disciplined, and safety-conscious work approach
- Willing to relocate and work flexible schedules worldwide

Key Strengths

- Strong foundation in mechanical design, fabrication, and project implementation.
- Hands-on experience with lathe operations, assembly, and component testing.
- Quick learner with excellent problem-solving, teamwork, and adaptability.