

MOHAMMED ALI JOUHAR K M

Mechanical Engineer

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WORK EXPERIENCE

Maintenance Mechanical Engineer

JPe MARINE

Mar 05, 2024 – Nov 07, 2024 Kerala, India

- Ensured proper installation of mechanical equipment, ensuring optimal functionality and compliance with specifications.
- Planned and executed preventive maintenance programs, minimizing downtime and enhancing equipment performance.
- Managed breakdown maintenance activities, ensuring the effective resolution of mechanical issues and adhering to HSE standards.

Industrial Training

South India KSRTC Regional Workshop, Edappal

Jun 13, 2019 - Jun 22, 2019 Kerala, India

- Gained practical experience in mechanical engineering, focusing on the maintenance and repair of buses and related systems.
- Collaborated with skilled technicians in diagnosing and troubleshooting mechanical issues in heavy-duty engines.
- Assisted in the preventive and corrective maintenance of bus fleet components, ensuring operational efficiency.
- Utilized tools and equipment to perform system diagnostics, repairs, and overhauls of critical engine systems.

EDUCATION

Bachelor of Technology in Mechanical Engineering

MES College of Engineering, Kuttippuram

2020 - 2023 Kerala, India

CGPA: 7.55/10.0

Diploma in Mechanical Engineering

Govt. Polytechnic College, Chelakkara

2017 - 2020 Kerala, India

CGPA: 7.54/10.0

Secondary School Certificate

Technical High School, Shoranur

2017 Kerala, India

Percentage: 96

CERTIFICATES

- Certified in **NEBOSH International General Certificate in Occupational Health and Safety** (2024).
- Completed **Microstation Learning Course** (2023), specializing in CAD software for design and drafting.
- Achieved **Level 2 Standards of NSQF in Product and Manufacturing** (2017), demonstrating proficiency in manufacturing processes and standards.

OBJECTIVE

"Seeking a challenging Mechanical Engineer position in the oil and gas, construction, or manufacturing industries. Aiming to leverage my skills in mechanical system optimization, project management, and process improvement to drive operational efficiency, performance, and innovative solutions."

TECHNICAL STRENGTH

Engineering Knowledge ●●●●●

Project Management ●●●●●

Analytical Skills ●●●●●

LEAD ROLES

College Project Team
Led a cross-functional team from project initiation to successful completion, ensuring adherence to deadlines and effective stakeholder communication.

Diploma Project Team
Developed and presented detailed project plans, improving team alignment and operational efficiency throughout the project lifecycle.

STRENGTHS

Strong Work Ethic

Decisive Decision-Making

Effective Time Management

Critical Thinking and Problem Solving

Conflict Resolution and Negotiation

Clear Communication

Manufacturing and Production Knowledge

Team Collaboration and Leadership

Adaptability and Flexibility

- Achieved **Level 1 Standards of NSQF in Product and Manufacturing** (2016), focused on foundational knowledge in product development and manufacturing.

THESIS PROJECTS

Bachelor's Thesis

Design and Fabrication of Go-Kart with All-Wheel Steering

📅 2023

- Engineered and developed a high-performance go-kart, incorporating all-wheel steering from initial design to final fabrication.
- Led a project team of 4 members, overseeing project management, task delegation, and ensuring timely project delivery.
- Utilized CAD software for design, prototyping, and testing to optimize performance and safety features.

Diploma Thesis

Green Gym

📅 2020

- Designed and constructed an outdoor fitness facility using durable, all-weather materials, ensuring year-round accessibility and functionality.
- Focused on sustainable design principles to promote environmental awareness while meeting functional fitness requirements.

SEMINARS

- Delivered a seminar on **The Effect of Micropitting**, focusing on the initiation of surface fatigue, crack formation, and material degradation in mechanical components.
- Presented a seminar on **Active Suspension System**, explaining the principles of controlling wheel vertical movement relative to the chassis for enhanced vehicle stability and performance.

SOFTWARE KNOWN

AutoCAD
SolidWorks
MicroStation



LANGUAGES

English
Hindi
Tamil
Arabic
Malayalam

