

Ijaj Ahamed N

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Profile

Highly committed and results-driven Mechanical Engineer with a strong specialization in quality control, production optimization, and CAD-based engineering support. Experienced in ensuring strict adherence to ISO standards, leading quality assurance processes, and enhancing manufacturing efficiency through continuous process improvements. Skilled in utilizing industry-leading software tools such as AutoCAD, SolidWorks, and Draftsight to support engineering design and documentation. Adept at collaborating with cross-functional teams to identify and resolve production issues, implement best practices, and drive operational excellence. Passionate about applying technical knowledge, analytical thinking, and problem-solving abilities to contribute effectively to large-scale industrial and global engineering projects. Actively seeking challenging opportunities where I can leverage my skills to add value, foster innovation, and support organizational growth in a dynamic work environment.

Experience

QUALITY CONTROL ENGINEER | MDL VISHAL INDIA PVT. LTD. | SEP. 2024 – PRESENT COIMBATORE

- Conducting daily quality inspections in tool and die manufacturing process to ensure compliance with ISO 9001 standards.
- Utilize CAD software (AutoCAD, Draftsight) for documentation defect analysis and updating inspection reports.
- Monitor and verify dimensions, surface finish and material properties of manufacture components using precision instruments.
- Support continuous improvement initiatives by recommending process optimizations to enhance product quality and reduce reworks.

INTERN | S.P. WELDING WORKS | JANUARY 2023 – FEBRUARY 2023 UTHAMAPALAYAM – THENI

- Gained practical hands-on experience in welding techniques.
- Assisted in fabrication and assembly of metal structures based on engineering drawings and specifications.
- Collaborated with senior welders and technicians to complete daily production targets.

Education

B.E. MECHANICAL ENGINEERING | AUG. 2021 – MAY 2025| HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE -641 032.

CGPA : 9.2

SSLC : 87.6 %

HSC : 87.6 %

Skills & Abilities

- Quality inspection assurance
- GD&T Basics
- Precision measurements tools and Defect analysis
- Process documentation and reporting
- Data entry and documentation in MS Excel
- Team collaboration and coordination

Software known

- AutoCAD
- CATIA
- Draftsight
- Solidworks
- MS Excel
- MS Word
- MS PowerPoint

Languages known

- English
- Tamil
- Hindi

Academic Project

STUDY OF BIOETHANOL PRODUCTION FROM BIOMASS – WATER HYACINTH

- Conducted an in-depth research study on producing Bioethanol as a renewable energy source from agricultural and organic waste materials.
- Designed and performed small scale experiments to analyze the feasibility and efficiency of Bioethanol production
- Studied the environmental benefits of Bioethanol in reducing carbon emissions and waste disposal problems
- Prepared a detailed project report with experimental data, cost analysis and sustainability evaluation
- Recommended potential improvements for scaling up bioethanol production for industrial application

Personal strengths

- Adaptability
- Fast learning
- Problem solving
- Leadership
- Excellent communication