

Mohammed Danish Gouri

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Summary

Final-year Mechanical Engineering student with expertise in system design, FEA, FMEA, and asset management. Proficient in MATLAB/Simulink, CAD tools, and machine learning to optimize processes and enhance efficiency. Transitioning into IT with strong analytical, problem-solving, and automation skills for innovative tech solutions.

EDUCATION

- College of Technology And Engineering** Udaipur, India
Bachelor of Technology - Mechanical Engineering 2021 - 2025

SKILLS

- Languages:** Python, MATLAB, C++, SQL
- Tools:** Simulink
- Platforms:** AutoCAD, Autodesk Fusion 360, Solidworks, Catia V5, Ansys Mechanical, Ansys Structural
- Soft Skills:** Public Speaking, Time Management

EXPERIENCE

- Escorts-Kubota** Delhi
Internship Jul 2024 - Aug 2024
 - I performed analyses on tractor leakage and put remediation strategies into action.
 - Conducted failure mode and effects analysis (FMEA) to reduce system risks.
 - Used computer-aided design (CAD) tools for designing modifying components.
- Vedanta Resources Ltd., Hindustan Zinc** Debari (Udaipur)
Internship Jun 2023 - Jul 2023
 - I executed steam line management for leaching purification systems, carrying out trace track analyses on valves and steam traps.
 - Asset management strategies extended equipment lifespan and reduced failure rates effectively.
 - I researched and analyzed practical solutions, showcasing my skills in process control and system enhancement.
- Mathworks Ltd.** AICTE Partnership
Remote, Internship May 2023 - Sept 2023
 - Tasks were carried out using MATLAB Simulink for simulations and model designs that complex.
 - Signal processing techniques, along with image processing methods, were used for real-world applications.
 - Machine learning deep learning algorithms were applied to tackle engineering challenges.
- Chegg Inc.,** Delhi
Subject Matter Expert, Physics Mar 2023 - Present
 - Subject Matter Expert in Physics at Chegg, offering deep knowledge of academic subjects

PROJECTS

- Jet Propulsion Engine Design (Using Autodesk fusion 360):** Developed 3D CAD models for aerospace and automotive applications.
- Tractor System Leakage Analysis optimization (danishgouri.odoo.com/blog):** System efficiency was enhanced by using AutoCAD Microsoft Excel for data analysis.
- Quiz App (Using HTML, CSS JavaScript):** Developed an interactive quiz app with real-time scoring using HTML, CSS, and JavaScript, ensuring seamless user engagement, and utilized GitHub for version control and collaboration.
- Blog website (Using HTML, CSS JS):** Designed and developed a responsive blog website with a user-friendly interface, structured content, and dynamic interactivity using HTML, CSS, and JavaScript.

CERTIFICATES

- Nuclear Fuel Engineering, Design, Fabrication and operation behavior - by International Atomic Energy Agency.
- Boiling water reactor - Issued by International Atomic Energy Agency.