

JAINAM SHAH

GRADUATE STUDENT | CAD-CAM

CONTACT

+91-7433822308

jainams931@gmail.com

Gandhinagar, Gujarat

linkedin/jainamshah31

EDUCATION

LD ENGINEERING COLLEGE (GTU)

Master's in Mechanical (CAD-CAM)

2024 - Present

LJIET (GTU), AHMEDABAD

Bachelor's in Mechanical Engineering

2020 - 2024

SKILLS

DESIGN SOFTWARES

- CREO Parametric
- AutoCAD
- SolidWorks
- Fusion 360

SIMULATION & ANALYSIS

- Ansys Workbench
- MATLAB Simulink

DATA & AUTOMATION TOOLS

- MS Office
- Power Automate
- Power BI

PROFESSIONAL SKILLS

- Problem Solving
- Time Management
- Analytical Thinking

ABOUT ME

Mechanical Engineering graduate specializing in CAD/CAM with experience in opto-mechanical systems, optical analysis, and structural and dynamic simulation. Contributed to the development of an Active Optics Telescope system at ISRO, performing Zernike-based optical analysis, MTF evaluation, and ANSYS simulations. Experienced in experimental vibration analysis and data interpretation through seismometer studies. Skilled in solving multidisciplinary engineering problems with a focus on precision, system stability, and performance optimization.

WORK EXPERIENCE

INDIAN SPACE RESEARCH ORGANISATION

Researcher

August 2025 - May 2026

Contributed to the development and optimization of an Active Optics Telescope system, improving optical performance and structural stability. Performed optical analysis using Zernike polynomials and MTF evaluation, achieving approximately 15–20% improvement in resolution. Conducted structural and thermal simulations in ANSYS Workbench to ensure system reliability under varying conditions. Performed mirror alignment and positioning on a real small-aperture active optics telescope enhancing overall precision and system performance. Additionally, worked on seismometer experiments involving vibration response analysis and data interpretation to evaluate system sensitivity and environmental effects.

BOSCH REXROTH PRIVATE LIMITED

Intern & Apprentice

January 2024 - September 2024

At Bosch Rexroth, I automated 3+ manual processes using Power BI, Power Automate, and Excel to improve efficiency by 30–40% and accuracy by approximately 25%. I monitored oil consumption and machine part counts across multiple production lines through dashboards, managed inventory levels for 100+ components, and prepared reports that supported decision-making for 5+ stakeholders. I also worked closely with cross-functional teams across 2–3 departments to understand requirements and implement practical automation solutions.

GUJARAT POWER ENGINEERING & RESEARCH INSTITUTE

Intern

October 2023

During my time at GPERI, I gained hands-on exposure to 3+ manufacturing areas, including additive manufacturing, solar technologies, and industrial manufacturing processes. I learned foundational concepts in 3D printing and observed practical applications of 2+ solar energy systems. Industry visits provided direct insight into 5+ real-world workflows, including CNC machining, conventional lathe operations, and laser-cutting processes.