

JAYRAJ RATHOD

Mechanical Engineer

Phone: 7016612538.

Email: rjayraj127@gmail.com

PROFESSIONAL SUMMARY

Detail-oriented Mechanical Engineer with 4 years of hands-on experience in quality assurance, production, and new product development (NPD) coordination. Skilled in precision measurement, customer alignment, and implementing quality tools including 8D reports and quality circles. Proven ability to manage shop floor operations and drive continuous improvement initiatives.

PROFESSIONAL EXPERIENCE

ACME Fluid Systems, Ahmedabad

Quality Engineer

April 2025 - Present

- Performed detailed inspection of raw materials such as pipes, flanges, equal tees, and plates to ensure compliance with quality standards and specifications.
- Coordinated Third-Party Inspections (TPI) in line with project quality plans and client requirements.
- Conducted valve testing at vendor locations, ensuring adherence to applicable codes and quality standards.
- Inspected and verified strainers against client specifications and standards including ASME B16.5, AWWA Class, PN10, and PN16.

KCI Bearings (India) Pvt. Ltd, Surendranagar

Production & Quality Engineer

March 2023 – March 2025

- Coordinating New Product Development (NPD) activities between design, production, and quality teams.
- Engaging with customers to align on measurement parameters and requirements.
- Managing internal audits and process improvements on the shop floor.
- Implementing Quality Circles to address recurring issues and enhance process reliability.
- Preparing and submitting 8D reports for non-conformities and customer complaints.
- Supporting quality assurance with real-time inspections and documentation.

Quality Engineer

October 2020 – February 2023

- Conducted inspections for parameters like ovality, circularity, roundness, and taper.
- Operated and maintained instruments including Roughness Tester, Profile Projector, Conturograph, and Comparators.
- Developed root cause analyses and corrective actions in line with customer feedback.
- Supported cross-functional teams during audits and customer visits.

EDUCATION

B.E. Mechanical

Engineering

Aditya Silver Oak College of Engineering and Technology, Ahmedabad

2016 – 2020 | CGPA: 6.86

H.S.C. – Science

Ultra Vision Academy, Surendranagar

2015 – 2016 | 60.00 %

S.S.C.

Ultra Vision Academy, Surendranagar

2013 – 2014 | 73.83 %

SKILLS

- New Product Development (NPD) Coordination
- 8D Problem Solving
- Measurement & Inspection (GD&T)
- Customer Communication & Alignment
- Quality Circles Implementation
- Root Cause Analysis
- Team Leadership & Shop Floor Management
- Instrumentation (Conturograph, Profile Projector, etc.)

CERTIFICATIONS

- Gas Turbine India Student Seminar
- International Centre for Entrepreneurship and Career Development