



VRAJ SHAH

MECHANICAL ENGINEER

CONTACT

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Bharuch, Gujarat

EDUCATION

2019 - 2023

**BIRLA VISHWAKARMA
MAHAVIDYALAYA (BVM)**

- B.Tech Mechanical [1st class with distinction]

2017 - 2019

NARAYAN VIDHYADHAR

- Secondary High School

SKILLS

- Good Listener
- Observation
- Team Building
- Reporting
- Adaptability
- Attention to Detail

LANGUAGES

- Gujarati
- Hindi
- English

PROFILE

Proactive Mechanical Engineer with hands-on experience in maintaining various rotary and static process equipment in Multi-Purpose Plant. Skilled in maintenance planning, process safety management, and advanced equipment management within specialty chemical manufacturing industry.

WORK EXPERIENCE

- SRF, Dahej** OCT 24 - PRESENT
Graduate Engineer Trainee(GET)
 - Promoted to Graduate Engineer Trainee (GET) based on demonstrated strong work ethic, exceptional performance, technical skills, and a commitment to continuous learning, along with positive feedback from mentors and a successful interview.
 - I am responsible for supporting preventive, corrective maintenance operations and campaign based activity, assisting senior engineers in optimizing equipment reliability, and contributing to the development of more efficient maintenance schedules.
- SRF, Dahej** SEP 23 - SEP 24
Graduate Apprentice Trainee(GAT)
 - Gained practical exposure to mechanical maintenance operations in high demand industrial setting.
 - Responsibilities included routine maintenance, gaining knowledge about equipment diagnostics, and implementing corrective actions to ensure minimal downtime of machinery.

COURSES

Apart from mechanical engineering courses following courses I have pursued

- Matlab Programming
- Industrial Automation
- Operation Research
- Energy Audit Management
- Solid Works 3D
- CCC(Certificate in Computer Concept)

JOB RESPONSIBILITIES

- **Maintenance Oversight:** Managed and Observed Preventive and Breakdown maintenance for various equipment.
- **Shutdown Management:** Supervised maintenance activities during plant shutdowns, ensuring safety and efficiency.
- **Data and Spares Management:** Maintain detailed records and manage inventory for spare parts.
- **Compliance and Safety:** Ensure Adherence to SOPs, Follow and implement 5'S.
- **Technical Documentation:** Documentation of Preventive maintenance and NDT reports.
- **Campaign Activity:** Use P&ID, Prepare BOQ and Line list for campaign-based activity.
- **System Knowledge:** Utilize ICMMS and Oracle for maintenance management and material ordering.
- **Work Permits:** Issue work permits for hot/cold works, Height work, etc. for safe engineering practices.

EQUIPMENT EXPERIENCE

- **Rotary Equipment:** MSGL Reactors, SS Reactors, Hast Alloy Reactors, Centrifugal and Piston Diaphragm Pumps, Dry Vacuum Pump (DVP), Oil Ring Vacuum Pump, Water Ring Vacuum Pump, ANF, RVPD, Conical Blender Dryer, Vibro Shifter, Centrifugal Blowers.
- **Static Equipment:** Steam Jet Ejectors(Multi Stage), Vessels, Columns, Graphite Heat Exchangers, Plate type HE, Shell & Tube type HE.