

SHYAM P

MANUFACTURING ENGINEER INTERN (ASSEMBLY)

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CAREER SUMMARY

Aspiring Engineering Intern with a strong foundation in Compressor Technology, eager to contribute to innovative projects in the field. My hands-on experience in Compressor Overhaul work has equipped me with practical skills and a problem-solving mindset. I am passionate about joining your team to further develop my expertise while actively contributing to sustainable energy solutions and advancing exploration technologies.

EDUCATION AND CERTIFICATION

Pandit Deendayal Energy University, Ahmedabad | B.Tech in Petroleum Engineering 6th Semester;
CGPA: 7.3

K.V.S no 1, Ahmedabad | 12th, CBSE | 2021 Percentage: 82%

K.VS. no 1, Ahmedabad | 10th, CBSE | 2019 Percentage: 78%

TECHNICAL SKILLS

Solidworks | AutoCAD | Simulation and Analysis | Compressors | API 618 | API 11P | ASME B31.4 | ASME B31.1
Engineering Drawing | Skilled Blue Collar Job

WORK EXPERIENCE

Dresser Rand Natural Gas Compressor Project | Shree Sai Engineering January 2026

- Performed a comprehensive Root Cause Analysis (R.C.A) on a CNG compressor block experiencing heavy carbon buildup and mechanical failure on a Dresser Rand CNG Compressor.
- Managed the complete dismantling, cleaning, and re-assembly process to restore the unit to OEM specifications.
- Identified critical filtration and temperature issues leading to gas impurities and implemented corrective measures to prevent future downtime.
- Ensured the repaired unit met the specific safety and flow requirements for high-pressure gas applications.

INTERNSHIP | SOPAN O&M December 2025

- Observed and analysed the assembly and repair sequences of heavy-duty Hydraulic CNG Booster Compressor.
- Developed a comprehensive understanding of API 618 (Reciprocating Compressors), focusing on design requirements.
- Gained in-depth technical knowledge of Hydraulic Compressors, including their application in high-pressure gas boosting, seal-less designs, and cooling jacket configurations.
- Acquired foundational knowledge of CNG Online Compressors, studying their role in daughter station operations, suction pressure regulation, and multi-stage compression cycles.

Geological and Hydrocarbon Exploration Field Work | PDEU, kutch February 2025

- Gained knowledge of different rock identification.
- Acquired knowledge of identifying different sedimentary structures.
- Engaged in fieldwork activities to gain practical experience.
- Performed different surveys i.e. magnetic and gravity survey.
- Regional exposed geology of the area.

SOFT SKILLS

Event Management | Publicity | Problem Solving Capabilities | Team work | Leadership quality | Adaptability | Time Management |

INTERESTS

Reciprocating Compressor Engineering | Field Service & Commissioning | Rotating Equipment Packaging | Manufacturing & Assembly Operations | Technical Sales & Bid Management | Fitness

LANGUAGES KNOWN

English | Hindi | Gujarati

OTHER INFORMATION

- Actively seeking opportunities in Mechanical Design, Petroleum Operations, or Field Services within the oil and gas sector.
- Proven ability to transition between high-precision SolidWorks modeling and hands-on Field Troubleshooting (RCA) in live industrial plants.
- Committed to mastering emerging compression technologies.
- Mobile and prepared for demanding site-based roles, leveraging experience in indigenous manufacturing and API 618 compliance.

DECLARATION

I hereby declare that all the information mentioned above is true to the best of my knowledge and belief.