

HARSH BAROT

Houston, TX 77065

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PROFESSIONAL SUMMARY

- Mechanical Engineer with 2+ years of experience in varied industries, including petrochemical, power plant, manufacturing and quality control.
- In-depth applied knowledge of Operation research, Engineering Statistics, Thermodynamics, Microelectromechanical Systems, CIM.

EDUCATION

2018

M.E.: Mechanical Engineering, Lamar University - Beaumont, TX

2015

B.E.: Mechanical Engineering, Gujarat Technological University - Surat, India

SKILLS

- Project management
- Minitab, MS Excel
- CAD & CAM
- Problem solving tools: 8D, 5 why
- Manufacturing Analysis
- FMEA
- CAPA
- Statistical analysis

WORK HISTORY

07/2018 to Current **Daikin-Goodman Mfg. Co., L.P – Waller, TX.**

07/2019 to Current **Quality Lead**

07/2018 to 06/2019 **Quality Auditor**

- Reduced downtime on assembly line by 25% by detecting non-conformance.
- Helped management to reduce scrap/rework cost by 30%.
- Participated in root cause analysis and process capability projects.
- Initiated “critical problem solving” approach in team to drive continuous improvement.
- Created training plans for new team members.

07/2015 to 07/2016 **Reliance Industries Limited – Surat, India**

04/2016 to 07/2016 **Project Supervisor**

- Led team of 15 members on fabrication project of duct pipe at power plant.
- Managed daily deadlines while ensuring quality and safety of work.
- Implemented a plan to reduce material inventory damage cost by 15%.
- Created plan to effectively use “4M” to reduce project cost by 10%.

07/2015 to 03/2016 **Maintenance Supervisor**

- Supervised shutdown work of petrochemical plants with help of 8 team members.
- Executed leak test on Mechanical devices like Heat Exchanger and Pressure vessel.
- Improved plant efficiency by 10% and reduced risk of plant failure by 25%.

CERTIFICATIONS

- Certified Lean Six Sigma Green Belt.
- Certified ISO 9001: 2015, ISO 14001: 2015 “**Lead Internal Auditor**”.