

Sarit Shah

Chicago, IL |  |  | www.linkedin.com/in/sarit-shah

I am an analytical and innovative industrial engineer with experience in process optimization, cost reduction, and quality assurance.

EDUCATION

University Of Illinois at Chicago - Chicago, IL
MS in Industrial Engineering

May 2023 (Expected)

Gujarat Technological University - Ahmedabad, India
B.E. in Automobile Engineering

July 2017

SKILLS

Hard Skills: Root cause analysis, Troubleshooting, Problem solving, Lean Manufacturing, Six-Sigma, Production planning, Supply chain optimization, Quality standards, Automation, Continuous improvement, Material handling, Project management, Quality control, Statistical analysis, Pareto analysis, LOTO, OSHA, KAIZEN.

Tools & Software: SQL, AutoCAD, Minitab, SolidWorks, PPAP, FMEA, SAP ERP, Gauge R&R, SOP, Data Analysis, DMAIC, CAPA, Linear Programming, Lingo, Microsoft Office (Excel, PowerPoint, Word, Visio, Access, Outlook).

WORK EXPERIENCE

Chetna Hardware Technology
Industrial Engineer

Jamnagar, India

August 2019 - July 2021

- Achieved 7.5% increase in labour efficiency using time and motion study tools.
- Collaborated with senior managers to design cost effective manufacturing layouts and reduce cost by 2.4%.
- Developed and implemented lean engineering tools and reviewed work methods, workstation designs and documenting process methods.
- Maximized the space utilization by 6% implementing Lean Techniques, 6S and FIFO methods to create inventory layout design using AutoCAD.
- Identified process bottlenecks and recommended work methods to improve the process.

AMW Motors Ltd.
Quality Engineer

Kutch, India

August 2017 – July 2019

- Successfully conducted root cause analysis and devised new operational processes to prevent recurrence of quality issues and equipment failures.
- Optimized PO placements for consumables to achieve 3.3% cost saving.
- Worked with external suppliers and Process Engineers to validate MFMEAs and PFMEAs respectively.
- Accomplished a Plan for Every Part process for JIT material replenishment to increase floor space by 13%
- Drafted SOP's, Principle of Operations, One-point Lessons, Lockout Tagout Procedures, Systematic Cleaning Checklists for a Production Line.

Land Mark Cars Pvt. Ltd. (Mercedes-Benz)
Industrial Engineer

Ahmedabad, India

April 2015 – July 2015

- Effectively worked on ECM through Xentry software VIDA (Vehicle Information and Diagnostic for after sales) including electrical and mechanical systems to save time up to 30% in identifying problems.
- Operated automobile systems like pneumatic suspension system and antilock braking systems.
- Assisted in conducting vehicle inspections.
- Collaboratively interacted with customers for providing excellent service.

PROJECTS

Design of Hierarchical Architected Lattice Structure for Enhanced Energy Absorption

August 2021 – December 2021

- Successfully designed and calculated the Energy Absorption Capacity of two distinct grid structures, body-centered lattice structure and cubic lattice structure produced using ABS plastic using Solid works software.

Modification in Turbo Charger to reduce oil leakage

July 2016 – April 2017

- Modified the system to reduce the oil leakage from the turbo charger and reuse the oil.
- Redesigned and analyzed the system with AutoCAD and Anova software respectively which reduced the oil waste by 19%

Electronic Stability Control System

July 2015 – April 2016

- Equipped vehicles with this system reduce fatalities by 18%
- Know the function of electronic stability control, including its sensors, central computer, and brake control units.

Volunteering

LJites Fetialis Aevum Magazine - Marketeer

Jan 2016 –December 2016