

HARISH REDDY CHADA

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Professional Summary

Continuous Improvement-oriented Industrial Engineer with over 5 years of experience optimizing high-throughput, tightly regulated manufacturing systems and orchestrating cross-functional teams within complex assembly environments. Lean Six Sigma Green Belt-certified professional with advanced proficiency in DMAIC, Kaizen, and rigorous problem-solving methodologies to elevate throughput, yield, and process capability. Demonstrated success in deploying sophisticated Lean methodologies—including 5S, Value Stream Mapping, Kanban, SMED, and PDCA—to drive operational excellence and systematically reduce variation in precision manufacturing settings. Possesses a robust foundation in APQP/PPAP, PFMEA, SPC, and MSA, underpinning stringent quality, compliance, and risk-management requirements in FDA-regulated production. Highly analytical engineer adept at leveraging Power BI, Excel, Minitab, and CAD platforms to architect scalable, data-driven process enhancements across diverse manufacturing and production landscapes.

Certifications

- Lean Six Sigma Green Belt
- Certified CAD Engineer

Core Competencies

- Lean Manufacturing, Continuous Improvement, Lean Six Sigma (DMAIC), Kaizen, Value Stream Mapping, Time & Motion Studies, Line Balancing, Takt Time, Standardized Work, 5S / 6S, PFMEA, RCA (5 Whys, Fishbone), SPC, MSA, APQP, PPAP, OEE, Factory Layout, Ergonomics, Power BI, Excel, SolidWorks, Creo, AutoCAD.

Professional Experience

Polaris Industries

Production Intern

Jan 2025 - Apr 2025

Roseau, MN

- Conducted time and motion studies and bottleneck analysis on the assembly lines to identify inefficiencies and cycle-time losses.
- Led and supported Kaizen events focused on layout redesign and standardized work, increasing line throughput by 12%.
- Developed current- and future-state VSMs, reducing non-value-added time by 18% through workstation consolidation and task balancing.
- Created SOPs, Standard Work Combination Sheets, and visual work instructions, reducing assembly errors by 15%.
- Applied DMAIC, Gemba walks, and RCA to improve first-pass yield by 17%.
- Analyzed production KPIs (cycle time, takt time, OEE) with Excel and Power BI, providing insights that led to process improvements and a 15% reduction in downtime.

Tech Mahindra

Jan 2019 - May 2023

Hyderabad, India

Mechanical / Continuous Improvement Engineer

- Led cross-functional Continuous Improvement initiatives using Lean Six Sigma tools (DMAIC, VSM, waste analysis) to improve production flow on the shop floor.
- Eliminated non-value-added activities through standard work, line balancing, and process optimization, improving throughput and stability.
- Drove RCA and CAPA to resolve recurring assembly and fit-up issues, improving first-pass yield and reducing rework.
- Supported APQP and PPAP activities by developing PFMEAs, Control Plans, and Process Flow Diagrams to ensure process capability and compliance.
- Achieved \$1.2M annual cost savings through design standardization and reuse of validated components across programs.
- Reduced material waste by 15% through fabrication process optimization and nesting improvements.
- Improved supplier alignment by optimizing lead times and release schedules, reducing material shortages and excess inventory.
- Provided targeted mechanical design support using SolidWorks, Creo, and AutoCAD, applying DFMA to improve manufacturability.
- Maintained accurate BOMs and managed engineering changes in ARAS PLM, improving production planning efficiency and reducing schedule delays.

Education

University of Central Missouri

Master of Science, Industrial Technology

May 2025

Warrensburg, MO

•GPA: 3.75/4.0

Jawaharlal Nehru Technological University (JNTU)

Bachelor of Technology, Mechanical Engineering

May 2018

Hyderabad, India