

SAI SUPRABATH CHADALAVADA

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Lean Six Sigma–certified manufacturing operations professional with 3+ years delivering continuous improvement and manufacturing excellence at a WEF Global Lighthouse GMP pharmaceutical site - experienced in OEE optimization, FMEA/RCA, and management of change across high-stakes production systems

PROFESSIONAL EXPERIENCE:

Dr. Reddy's Laboratories Ltd., India

Operations Program Manager

Aug 2023 - Aug 2025

- Led business case development and ROI modeling for Industry 4.0, energy, and lean initiatives; translated operational data into investment decisions influencing cross-functional leadership and capital allocation
- Owned operations improvement and change management for 19-initiative Lean Autonomation program - 4 projects delivered by Aug'25 saving 53K FTE effort hours; on track for 380K effort-hour savings & \$3M OPEX reduction over three years
- Executed ZERO_BAD manufacturing reliability initiative on critical packaging line — 64-activity TPM-based maintenance improvement program (5S, HIRA, FMEA, centerlining, Kaizens) achieving 90% defect rate reduction (1.78% → 0.17%), zero safety incidents, and 100% RCA completion
- Spearheaded digital technology deployment across I4.0 initiatives - MES-HVAC RPA integration (99% cycle time reduction, 500K touchpoints eliminated) and QR-code DigiLabel system (\$100K+ savings, 17,340hrs saved, 0 GMP audit findings across 6 sites)
- Conducted Gemba walks, time studies, and takt time analysis across production floor - standardized work methods, identified throughput bottlenecks, and supported operators in daily issue resolution
- Improved Plan vs Actual adherence by 20% by developing automated Power BI and Excel dashboards tracking OEE, cycle time, and RCA CAPAs
- Supported installation and commissioning of high-speed manufacturing equipment across 20 SKUs - achieving 99% schedule adherence and increasing production capacity by 50%

Technical Trainee - ACE Leadership Program

Aug 2022 - July 2023

- Implemented digital energy monitoring system integrating 708 meters and 22 flow devices, enabling real-time analytics and reducing utility consumption by 8%
- Conducted VSM, station level process analysis, and used quality tools to reduce cycle time, saving 15 operational days annually

EDUCATION:

Northwestern University, Evanston, Illinois, USA

Sept 2025 - Dec 2026

Master of Engineering Management - Operations, Supply Chain, Project Management

Birla Institute of Technology MESRA, Ranchi, India

Aug 2018 - May 2022

Bachelor of Technology, Mechanical Engineering

ACADEMIC EXPERIENCE:

Northwestern University

Teaching Assistant - Consulting for Wearables & Marketing Analytics

Apr 2026 - Present

- Mentoring students on product strategy, data-driven decision frameworks, and end-to-end project execution with emphasis on stakeholder alignment and structured delivery

Teaching Assistant - Project Management

Jan 2026 - Mar 26

- Instructed students on project lifecycle execution, risk planning, and schedule control using MS Project; evaluated real-world case applications emphasizing stakeholder alignment

CERTIFICATIONS & ACHIEVEMENTS:

PMI Chicagoland Case Competition - 3rd Place | Best Innovator Award - Dr. Reddy's Laboratories | Youngest DnA Business Translator - Dr. Reddy's Laboratories | Lean Accelerator - BMGI | Project Management Specialization - Google | Lean Six Sigma Green Belt - Dr. Reddy's Laboratories | Machine Learning Specialization - Stanford University | PowerBI & Tableau - LinkedIn

SKILLS & TOOL SETS:

Skills: Continuous Improvement | Line Balancing | Time Studies | Takt Time Analysis | Cycle Time Optimization | Kaizen | 5S | VSM | FMEA/RCA | OEE Optimization | Management of Change | Maintenance Improvement | PDCA | Standard Work Design | ECRS | VA/NVA Analysis | KPI Development | Process Standardization | GMP Manufacturing

Tools: Power BI | Advanced Excel (Pivot Tables, VBA) | MS Project | Minitab | SQL | Python | AutoCAD | Visio | Smartsheet

Frameworks: Lean | DMAIC | TPM | 7-Step RCA | Agile | Waterfall