Raunak Mane

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EDUCATION

Texas Tech University, Lubbock, Texas | May 2026
Bachelor of Science in Industrial Engineering | GPA: **3.9**

WORK EXPERIENCE

Exide Industries Ltd. | May 2025 - August 2025
Operations Analyst Intern | *(Summer 2025)*

- Facilitated operational analysis on a fully automated line by evaluating its 300+ production cycles, focusing on Overall Equipment Effectiveness (OEE), cycle time, and downtime trends.
- Applied Lean Six Sigma Green Belt tools such as Pareto, FMEA, root cause analysis to identify causes behind 15% of minor stoppages on the production line.
- Developed Power BI dashboards and Excel trackers to automate KPI reporting, improving visibility and reducing reporting time by 20%, contributing to initiatives targeting 10% throughput improvement.

Department of Operation & Supply Chain Management | August 2023 - Present
Editorial & Research Assistant | Rawls College of Business

- Managed over 2,200 manuscripts and coordinated with 750+ reviewers for Journal of Supply Chain Management (JSCM), improving editorial efficiency by 35% through workflow optimization, Excel automation and SOP development over two academic years.
- Collaborated with 80+ faculties across 6 departments on the SRSRP research study, supporting data analysis, data management and operations research through effective cross-functional teamwork.

Param Construction Pvt. Ltd. | June 2021 - June 2022
Project Management Intern

- Supervised daily operations across 3 construction sites, managing 40+ inventory items in Excel to prevent material shortages, supported financial reporting and tracked budgets totaling ₹2.5 crore (~$290K), identifying cost variances and optimizing procurement timelines.
- Assessed 15+ AutoCAD drawings for accuracy and collaborated with 12+ vendors and 10+ engineers to ensure schedule adherence and execution efficiency.

PROJECTS

- **LeanOps: OEE Improvement Project** | July 2025
  Analyzed 90 days of Packaging and Dispatch data using the DMAIC framework, identifying 15% downtime and 8% speed loss. Automated OEE tracking via Excel and Power BI, cutting reporting time by 30%, and applied Seven Muda to eliminate inefficiencies. Proposed a dedicated maintenance team, optimized lunch breaks, and introduced a new real-time error logging system, achieving a 2-person headcount reduction with no output loss. Targeted OEE improvement from 72% to 83%.
- **Optimizing Operations at Sonic Drive-In Project** | November 2024
  Led a four-week project to improve workflow and layout efficiency using Lean tools and 5S principles, reducing order processing time by 15%. Implemented Seven Muda analysis, targeted improvements, and gathered insights from 10+ employees. Enhancements boosted customer satisfaction and reduced employee fatigue. Presented the final reports and recommendations to the stakeholders at Sonic Drive-In.

CERTIFICATIONS & SKILLS

- **Certifications:** IISE Lean Six Sigma Green Belt
- **Technical & Analytical Skills**: Python, Power BI, Advanced Excel, MATLAB, SQL, RStudio, JMP, Gurobi, Minitab, Microsoft Office (Advanced), AutoCAD, Autodesk Inventor, SolidCAM, 3D Printing, Data Analysis, Process Optimization, Data Visualization, Time and Motion Study, Lean Manufacturing
- **Professional & Operational Skills:** Project Management, Workflow Planning, Resource Allocation, Budgeting & Cost Estimation, Demand Forecasting, Cost Analysis, Quality Assurance, Risk Management, KPI Design, Continuous Improvement, Kaizen, Operations Research, Cross-Functional Collaboration

LEADERSHIP & AFFILIATIONS

- **Robotic & Advanced Tech Society** | *Mechanical Lead*
- **Students for Global Connections** | *Recruitment & Operations Head*
- **Institute of Industrial & Systems Engineers (IISE)** | *Active Member*