Rushikesh Tubaji

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SUMMARY

Analytical **Industrial Engineering graduate student at UIC** with experience in **supply planning, logistics, and inventory optimization**. Skilled in **SAP, Excel, Power BI, and SQL** for demand forecasting, KPI tracking, and on-time delivery improvement using **Lean and continuous-improvement methods**.

SKILLS & TOOLS

Supply Chain: Demand Forecasting, Supply Planning, Inventory Optimization, Logistics, Procurement, KPI Tracking
Data & Analytics: Excel (Solver, Pivot, VBA), Power BI, SQL, Minitab, Python, SPC, Data Visualization
Engineering Tools: SAP ERP, Arena Simulation, SolidWorks, AutoCAD, CATIA, ANSYS
Methodologies: Lean, Six Sigma (Green Belt), RCA, DFMEA/PFMEA, Kaizen

EXPERIENCE

Movetech Conveyors Pvt. Ltd   Pune, India
Junior Project Engineer – Supply Chain & Operations   *Nov 2023 – Jul 2024*

- Streamlined warehouse workflows via real-time tracking and alerts, improving delivery timelines by **15%**.
- Built Excel–SQL dashboard to forecast material and labor needs, achieving zero stockouts and accurate planning.
- Aligned procurement, QA, and production schedules; standardized documentation, reducing audit prep time by **25%**.

Alfa-Luve Heat Exchangers Pvt. Ltd   Pune, India
CAD & Supply Coordination Engineer   *Jul 2023 – Nov 2023*

- Integrated SAP ERP forecasts with production planning, cutting downtime by **15%** and improving delivery by **10%**.
- Applied Lean principles to sub-assembly redesign, reducing lead time by **20%**.

STES Racing Team – Formula Bharat   Pune, India
Inventory & Manufacturing Head   *May 2021 – Jun 2023*

- Managed procurement & inventory for 100+ SKUs; applied Group Technology to cut cost by **26.8%**.
- Coordinated design, manufacturing, and supply units ensuring 100% schedule adherence.

PROJECTS

Pizza Sales Performance Analytics | *SQL, Power BI, DAX*   Jan 2024 – Mar 2024

- Analyzed 48k+ transactions to derive KPIs—Total Revenue ($817K), Avg Order Value, and Pizzas Sold.
- Built interactive Power BI dashboards visualizing trends, category performance, and SKU sales.

Supply Chain Optimization Model | *Excel Solver, Forecasting, Lean*   Sep 2023 – Dec 2023

- Built optimization model minimizing holding & transport cost while maintaining service levels.
- Applied Lean methods to reduce fulfillment time by **15%** and optimize inventory visibility.

Air Intake System Design for Formula Prototype Car | *SolidWorks, ANSYS Fluent*   Jan 2022 – Apr 2022

- Engineered a high-efficiency air intake system improving engine performance by **15%** through CFD optimization.
- Led a 4-member team; secured **4th Prize** in inter-college design competition.

EDUCATION

University of Illinois Chicago (UIC)   Chicago, IL
M.S. in Industrial Engineering   *Aug 2024 – May 2026*

- Coursework: Supply Chain Mgmt, SQC, Safety Engg, OR I&II, Ergonomics, Adv. DBMS — Focus: Data-driven optimization.

Savitribai Phule Pune University (SPPU)   Pune, India
B.E. in Mechanical Engineering & Honours in Electric Vehicles   *Aug 2019 – May 2023*

- Capstone: Designed Air Intake System improving airflow efficiency by **15%**; Honours focused on EV drivetrains & BMS.

Cusrow Wadia Institute of Technology (MSBTE)   Pune, India
Diploma in Mechanical Engineering   *Jun 2017 – Jul 2020*

- Industrial internships in manufacturing & production; exposure to inventory, purchasing & shop-floor operations.

CERTIFICATIONS & ACHIEVEMENTS

Certifications: Lean Six Sigma Green Belt; Supply Chain Fundamentals (Georgia Tech); Excel Analytics (Coursera); Power BI (Microsoft)

Achievements: SAE Formula Bharat 2022 – All India Rank 3 Design, Rank 4 Overall

Technical Competencies: SAP ERP, Power BI, SQL, Excel Solver, Python, Minitab, SolidWorks, ANSYS, AutoCAD