

# RAVIKANT JHA

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## EDUCATION

<b>M.S in Industrial &amp; Systems Engineering   University of New Haven, USA</b>	GPA – 3.92/4.0	<b>01/2021 - 12/2022</b>
<b>B.S in Mechanical Engineering   University of Mumbai, India</b>	GPA - 3.0/4.0	<b>08/2013 - 05/2017</b>

## TECHNICAL SKILLS & CERTIFICATIONS

Supply chain	:	Supply chain Management, <b>Data Analysis, SAP ERP</b> , Logistics Management, Demand Planning, <b>Forecasting</b> , MPS, BOM, <b>Inventory control, MRP</b> , Operations Management, Production Planning
Six Sigma Tools	:	DMAIC, FMEA, Continuous Improvement, 5s, Root cause Analysis, <b>Kaizen, APQP, PPAP</b>
Programming	:	<b>MS Office, SQL, SAGE, R</b> , ERP System, Python, Minitab, AutoCAD, Arena, Pro Model, <b>Oracle NetSuite</b>
Leadership Skills	:	Problem-Solving, Critical Thinking, Solutions Oriented, Collaborative, Navigates Ambiguity
Certification	:	<b>Six Sigma Green Belt, SAP ERP, SAP MM, SQL, MYSQL, AUTOCAD, Data Analysis</b>

## PROFESSIONAL EXPERIENCE

<b>Industrial Engineer, Q-Tran Inc.</b>	<b>01/2023- Present</b>
<ul style="list-style-type: none"><li>• Maintaining Manufacturing Bills of Materials (BOMs), Item Masters (Routings, and Labor Standards in Q-Tran’s ERP system.</li><li>• Defining and managing rules using configurator software within the ERP system to translate and build product features, requirements, and options into a manufacturing BOM.</li><li>• Working with Production, Quality, Industrial Engineering, Procurement, and Production Control to ensure proper implementation of the change.</li><li>• Maintenance of all Item Master Data including PN, Descriptions, Planning, Sales, and Purchasing information based on information provided by Product Development, Sales, and Materials.</li></ul>	
<b>Industrial Engineer Intern, Q-Tran Inc.</b>	<b>11/2022- 12/2022</b>
<ul style="list-style-type: none"><li>• Engaging with Engineering, Procurement, Manufacturing and Finance teams to resolve BOM-related issues.</li><li>• Maintaining and improving cost accounting data to support production and profit analysis; ensuring procedures are followed for item cost maintenance.</li><li>• Creating Work Instructions for Manufacturing Processes.</li></ul>	
<b>Intern, FISH of New Haven</b>	<b>05/2022- 08/2022</b>
<ul style="list-style-type: none"><li>• Managing and mining the Supplier’s and Vendor’s SKU inventory stock level to reduce the stock out.</li><li>• Planning and Implementation of Last Mile delivery strategy.</li><li>• Designing the job travel SOP to reduce job travel time.</li></ul>	
<b>Graduate Teaching Assistant, University of New Haven</b>	<b>08/2021- 05/2022</b>
<ul style="list-style-type: none"><li>• Independently Supervised the classes of 20-25 students during the recitations.</li><li>• Assisted Professor in Academic subjects like Cost Estimation and Engineering Economics, Probability Analysis, Descriptive and Inferential Statistical Analysis, and administrative work.</li><li>• Assisted students during Lab’s hours with the theoretical and practical aspects of assigned projects.</li><li>• Responsible for the maintenance of lab equipment and management of inventory.</li></ul>	
<b>Supply Chain Analyst, Mahanand Private Limited</b>	<b>02/2019- 11/2020</b>
<ul style="list-style-type: none"><li>• Formulated Supplier’s Quality Index to consult on bottlenecks in procurement from 18 vendors.</li><li>• Developed bi-weekly plans for inventories and safety stocks to meet the inventory level target and reduce the opportunity lost by 12%.</li><li>• Prepared demand forecast with 95% accuracy for 180 SKU resulting in a 35% stock reduction.</li><li>• Controlled daily stocks to resolve the gap in material requirements and scheduled timely shipments.</li><li>• Formulated and Maintained inventory and logistics management dashboard and maintained labor productivity KPI.</li></ul>	
<b>Procurement Analyst, Modern Gas Private Limited</b>	<b>08/2017 – 01/2019</b>
<ul style="list-style-type: none"><li>• Worked on ERP, SAP APO- Global Availability to Promise (G.A.T.P) to analyze the cause of the varying materials availability data (M.A.D) and Material Requirement Planning (MRP).</li><li>• Scrutinized the daily workflow of purchasing orders of chemicals using <b>ERP</b> software and improved the order delivery cycle by <b>15%</b> by working <b>cross-functionally</b> with other departments.</li><li>• Developed slotting strategy based on the heat maps and decreased <b>warehouse congestion</b> by <b>17%</b>.</li></ul>	

- Ensured the right Quality and Quantity of the material using **SQL** and **forecasted procurement data** using **Excel**.

**Supply Chain Intern, Mehta CAD CAM Systems Pvt. Ltd.**

**08/2016 – 05/2017**

- Monitored key performance indicators (K.P.I) such as service levels, in-stock, forecast accuracy, and inventory turnover.
- Optimized inventory by implementing **BOM and MRP** work orders and calculated vendor lead times and reduced **14%** non-working inventory by implementing relevant **Six Sigma** tools at the production level.

## ACADEMIC PROJECTS

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**Operations Planning and Control at Alok Industry Limited**

**08/2021 – 12/2021**

- Formulated the best **forecasting model by Excel** for 25 weeks using the historical data of 5 products.
- Established appropriate aggregate planning methods and decreased overall labor hiring cost by **12%**
- Developed MRP work orders for capacity planning to identify bottlenecks and reduced total production cost by **20%**

**Process Improvement using Six Sigma at University Dining**

**05/2021 – 07/2021**

- Facilitated inventory management and uncovered loopholes using **Root Cause Analysis**, Fishbone diagram, and **PDCA**.
- Implemented **lean tools, DMAIC, Kaizen, 5S** for continuous process improvement and reduced **food wastage by 17%**

**Treasurer, IISE UNH (Institute of Industrial and System Engineer)**

- Manage incoming payments.
- Document all business financial transactions.
- Oversee and approve all financial plans or revisions to plans.