

VISHNU VARDHAN REDDY CHINTHAM

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SUMMARY

Supply Chain Analyst with 6 years of experience driving demand forecasting, inventory optimization, and end-to-end supply planning across healthcare and enterprise environments. Strong expertise in SQL, Power BI, Tableau, and advanced Excel for data analysis, KPI reporting, and operational decision support. Hands-on experience with SAP MM/PP and Oracle ERP systems for material planning, procurement workflows, and inventory tracking. Proven ability to apply Lean Six Sigma methodologies, scenario modelling, and digital twin simulations to improve supply chain efficiency and risk management. Experienced in building data-driven solutions using Python, AWS, and Azure Data Factory to support scalable analytics, supplier risk monitoring, and real-time supply chain visibility.

TECHNICAL SKILLS

- Supply Chain & Operations:** Demand Forecasting, Inventory Optimization, Supply Planning, Order Management, Procurement Support, Logistics Coordination, S&OP Support
- Data Analysis & Optimization:** Data Cleaning, Root Cause Analysis, Trend Analysis, Variance Analysis, Scenario Modelling, Forecast Accuracy Improvement
- Tools & Technologies:** Advanced Excel (Pivot Tables, XLOOKUP), SAP (MM/PP), Oracle ERP, Power BI, Tableau, SQL, WMS, TMS
- Reporting & Dashboards:** KPI Development, Performance Dashboards, Monthly/Quarterly Reporting, Data Visualization, Executive Reporting
- Process Improvement:** Lean Six Sigma, Process Mapping, Workflow Optimization, Cost Reduction, Continuous Improvement (Kaizen)
- Planning & Operations Analysis:** Capacity Planning, Production Scheduling, Lead Time Analysis, Supply Optimization
- Risk & Compliance:** Supplier Risk Assessment, Supplier Performance Tracking, Compliance Monitoring, Quality Support
- Stakeholder Management:** Cross-functional Collaboration, Vendor Coordination, Stakeholder Communication, Business Reporting

PROFESSIONAL EXPERIENCE

Kaiser Permanente June 2024 – Present
Supply Chain Analyst

- Directed the Healthcare Inventory Visibility & Demand Alignment initiative by integrating clinical usage data with supply planning systems to improve real-time decision-making.
- Analysed consumption patterns across medical facilities using SQL and Power BI to enhance demand forecasting accuracy and reduce stockouts by 22%.
- Optimized inventory replenishment strategies by implementing min-max policies aligned with critical healthcare supply requirements.
- Collaborated with clinical, procurement, and operations teams to ensure timely availability of essential medical supplies across departments.
- Developed automated reporting solutions using Power BI and Excel to track KPIs such as inventory turns, fill rates, and order cycle time.
- Evaluated supplier performance through scorecards and compliance metrics, improving vendor reliability and reducing delays by 15%.
- Implemented process improvements using Lean Six Sigma methodologies to streamline supply chain workflows and eliminate inefficiencies.
- Maintained data integrity within ERP systems by performing regular audits, supporting accurate inventory tracking and regulatory compliance.

Trigent Jan 2019 – Dec 2022
Supply Chain Analyst

- Spearheaded the End-to-End Supply Planning Transformation project by integrating demand signals with supply plans using SAP MM/PP and SQL-based analysis to improve planning visibility.
- Engineered data-driven inventory strategies by leveraging historical consumption patterns and scenario modelling, lowering stockouts by 20%.
- Orchestrated procurement planning cycles by aligning vendor schedules with production requirements to ensure consistent material flow.
- Built scalable Tableau dashboards to monitor supply chain KPIs, enabling faster decision-making for operations and leadership teams.

- Diagnosed supply chain disruptions through detailed variance and trend analysis, implementing corrective planning adjustments to stabilize operations.
- Streamlined reporting processes by automating data extraction and transformation workflows, improving reporting turnaround time by 30%.
- Partnered with logistics and warehouse teams to optimize distribution planning and improve overall fulfilment efficiency.
- Governed master data and transactional accuracy within Oracle ERP systems to support reliable inventory tracking and compliance.

PROJECTS

Supply Chain Digital Twin Simulation Platform

- Designed a digital twin model using Python and SimPy to simulate end-to-end supply chain operations including demand variability, lead times, and capacity constraints.
- Integrated simulation outputs with scenario planning workflows to support risk analysis and contingency planning across distribution networks.
- Deployed the solution with cloud-based data pipelines on AWS to enable scalable simulation runs and real-time decision support.

Supplier Risk Monitoring & Alert System

- Developed a supplier risk monitoring solution using Python, APIs, and external data sources to track disruptions, compliance issues, and geopolitical risks.
- Implemented automated alert mechanisms using Power Automate and email triggers to notify stakeholders of high-risk supplier events.
- Built data ingestion and transformation pipelines using Azure Data Factory to consolidate supplier data into a centralized monitoring framework.

EDUCATION

Master in Computer Science

Campbellsville University, Louisville, KY

Jan 2023 – May 2024

Bachelor in Computer Science and Engineering

TRR College of Engineering, Telangana, India

Jun 2016 – Sep 2020