

# Varatharaj Kannan S

*Supply Chain Management & Data Analytics Professional*

Email: [svrk.raj14@gmail.com](mailto:svrk.raj14@gmail.com) | Mobile: +91 9003675516 | Chennai, Tamil Nadu, India

LinkedIn: <https://www.linkedin.com/in/varatharajkannan>

## EDUCATION

---

**Pondicherry University – Loyola College, Chennai**

**Jul 2015 - Dec 2017**

*MBA – Operations & Supply Chain Management (Twinning Weekend Program)*

**Anna University - Kongu Engineering College**

**Aug 2010 - May 2014**

*BE – Mechanical Engineering (Full Time)*

## CORE COMPETENCIES

---

- Supply Chain Planning & Strategy
- Demand Forecasting & Inventory Optimization
- Logistics & Warehouse Operations
- Supplier Management & Compliance
- Packaging Optimisation & Development
- Cost Optimization & Process Improvement
- Leadership & Cross-functional Collaboration
- Process Automation & Improvement
- Business Intelligence & Data Analytics
- Data-Driven Decision Making & Communication

## WORK EXPERIENCE

---

**Daimler India Commercial Vehicles** | Chennai, Tamil Nadu | Supply Chain Data Analyst

**Nov 2023 – Present**

- Applied statistical modelling to optimize parts demand forecasting, improving forecast accuracy and operational efficiency.
- Developed Python-based rolling demand forecast models (XGBoost, SARIMAX), integrating probabilistic demand and dynamic safety stock calculations.
- Generated ₹29 Crore in savings by identifying liquidation opportunities for non-moving and obsolete parts.
- Reduced ₹26 Crore in excess inventory by recommending ERP tuning based on excess parts analysis.
- Created simulations to optimize inventory norms, boosting production planning efficiency.
- Improved fill rate by 18% for the New Regional Logistics Centre by optimizing stocking norms and part lists based on Pareto logic to maximise productivity and sales.
- Developed a Python tool to optimize truck fuel costs (delivery cost) by strategically refuelling based on real-time state diesel prices, fuel tank capacity, and route constraints, resulting in a 13% reduction in fuel expenses.
- Automated Bill of Material (BoM) consolidation and packaging cost calculations using Python, leading to cost-saving opportunities across 1044 live variants.
- Developed a ML model to optimize Inbound Logistics truck placement based on accumulated load volume, improving logistics efficiency and automating truck allocation decisions. Implemented data preprocessing, feature engineering, and model validation using confusion matrix.

**Honeywell Technology Solutions** | Bengaluru, Karnataka | Supply Chain Analytics Specialist

**May 2022 – Nov 2023**

- Led business analysis for key supply chain initiatives, by gathering and translating business requirements into actionable insights, developing supply chain metrics and KPIs for inventory, warehouse, and logistics operations.
- Collaborated with cross-functional teams to drive inventory optimization, cost reduction, and lead time improvements, achieving measurable results.
- Analyzed SAP transaction data to build business intelligence models, enhancing real-time reporting and supporting data-driven leadership decisions.
- Developed and managed business intelligence dashboards using Tableau, Power BI, Snowflake and AWS, delivering key operational insights and KPIs to stakeholders.
- Facilitated Data Mart implementation, overseeing requirements gathering, stakeholder management, and User Acceptance Testing (UAT) to deploy analytics capabilities.
- Developed and led the creation of the Site Performance Scorecard for CEO awards, managing data pipelines, SQL queries, and scoring models to rank sites, supporting executive decision-making.
- Contributed as a functional business analyst to design and implement a Digital Operations Platform, ensuring end-to-end supply chain visibility.

- Established real-time reporting infrastructure using EDW and Tableau, improving visibility and accountability across operations.

**Ford Motor Company** | Chennai, Tamil Nadu | Supply Chain Analyst

**Feb 2021 – Apr 2022**

- Exceeded market targets by improving fill rate, inventory turns and reducing backorders.
- Managed Distribution Requirement Planning (DRP) for Ford parts distribution centres across India, optimizing procurement from Ford vendors and affiliates.
- Prioritized Vehicle Off Road (VOR), Back Orders (BO), VIP orders for critical and timely deliveries.
- Led inventory liquidation initiatives for Ford India Import parts, generating savings of ₹1.2 Crore and improving Inventory Turnover Ratio (ITR) by 23% through targeted initiatives.
- Automated supply chain workflows using Alteryx, eliminating non-value-added activities and increasing process efficiency.
- Established strong supplier relationships, ensuring timely receipt of parts and minimizing supply constraints.
- Managed FCL and LCL shipments from overseas, coordinating with suppliers, consolidators, and customs teams to ensure timely clearance and avoid stockouts.
- Reduced air freight expenses by 13%, maintaining air-sea shipping ratios within target.
- Conducted cost-volume benefit analyses for parts supportability and sourcing strategies, driving more efficient procurement.
- Performed RCCA analysis to address delivery issues and reduce backorders and excess stock.
- Collaborated with cross-functional teams for ATB/ OTB analysis, improving supply performance for Ford India.
- Analyzed customer demand patterns, seasonality, and trends to improve OTIF and order fill rate.

**Hyundai Mobis India Ltd** | Chennai, Tamil Nadu | Assistant Manager – Supply Chain

**Oct 2014 – Feb 2021**

- Led a team of 85 resources to manage end-to-end warehouse operations, improving efficiency and productivity.
- Enhanced supplier receiving rate, addressing OS&D issues, ensuring Supplier Performance (SLA) compliance
- Improved Warehouse efficiency through Warehouse Optimization System (WOS), streamlining sorting, storage, inter-PDC transfers, cross-dock operations, and stock adjustments.
- Scheduled dealer and distributor orders, ensuring inventory record accuracy (IRA) through perpetual counts and audits.
- Improved shipment occupancy rates and streamlined dispatch operations for outbound trucks, ensuring compliance with regulatory requirements for invoicing and E-Way bills.
- Conducted vendor visits to optimise stock through EOQ determination and binning, improving supplier-side accuracy.
- Managed procurement for 27 suppliers, optimizing product volume, PO creation, and supplier follow-ups to achieve order fill rates.
- Implemented ERP system enhancements, including EDI integration, reducing turnaround time (TAT) and eliminating non-value-added processes.
- Developed a Supplier Performance Dashboard, reviewing Supplier Reliability Rating (SRR) and evaluating monthly supplier performance.
- Conducted IOS (Inactive, Obsolete & Excess) analysis, optimizing inventory levels and warehouse space.
- Reduced customer-side packaging claims through targeted optimization strategies, saving ₹4.5 Crore annually.

## TOOLS

---

- **Technical Skills:** Python, Machine Learning, SQL, Tableau, Power BI, Alteryx, Microsoft Power Platform
- **Professional Certifications:** IBM Data Science Professional, Google Data Analytics, Microsoft Power BI Data Analyst, Alteryx Designer Core, Google Project Management, Azure Data Fundamentals
- **Additional Skills:** Microsoft Office (Advanced), SAP ERP, BOM

## KEY REWARDS & RECOGNITIONS

---

- Received 2 Bravo Awards (2022-2023) for developing cloud-based self-serve analytics platform
- Best Team Award among Global Parts Distribution Centres, 2015
- 1st Place in Innovation Implementation & Cost Saving Suggestions, 2017
- Participated in South Parts & Accessories Dealer Conference, Cochin, 2018
- Attended Parts & Accessories Manager Recognition Trip, Malaysia, 2019