

PURAV PATEL

610-945-7637 | patel.a.purav@gmail.com | Philadelphia, Pennsylvania, United States | [LinkedIn](#) | [Portfolio](#)

SUMMARY

Senior Analytics and Data Visualization Leader with a record of building scalable, user-centered data solutions that drive strategic decision-making across product, marketing, and operations teams. Expert in Python, SQL, Tableau, and best practices in interactive data visualization and data governance. Skilled in leading high-performing teams, ensuring data integrity, and delivering complex dashboard solutions that improve data accessibility and insight clarity for executive and cross-functional stakeholders.

SKILLS

Leadership and Management	Strategic Leadership, Data Driven Decision Management, Process Optimization
Programming & Data Analysis	Python, SQL, Jupyter Notebook, VS Code, Tableau, PowerBI, Celonis
Python Libraries	Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Plotly, Streamlit, OpenAI

WORK EXPERIENCE

Senior Order Fulfillment Analytics Manager, GE HealthCare, Glen Mills, PA Jul 2021 - Present

- Designed a machine learning model utilizing Python (sklearn) to predict On-Time Delivery (OTD) with 70% accuracy, enabling proactive order management and fulfillment.
- Led the creation of a centralized order fulfillment analytics hub, consolidating interactive dashboards and visualization tools, ensuring data consistency and accessibility for 100+ stakeholders, and driving data-driven decision-making in order management and supply chain.
- Developed and deployed a machine learning model in Python to predict delivery dates with 74% accuracy, enabling supply chain teams to better anticipate delays and improve delivery reliability.
- Engineered a Python-based solution to align aging inventory with open order demand, uncovering a \$5M opportunity by optimizing inventory allocation across regions, sub-regions, and distribution orgs.
- Led company-wide workshops on AI and data visualization, training 200+ employees on advanced dashboard functionalities and visualization best practices to increase data adoption and efficiency across teams.
- Developed SQL- and Python-based analytical dashboards to visualize order volatility, giving senior leadership insight into revenue-impacting trends, supporting \$108M in pushed and \$213M in pulled orders through strategic planning dashboards.

Order Execution & Logistics Analytics Manager, GE HealthCare, Manhattan, NY Jan 2019 - Jun 2021

- Revamped OTD analytics by designing function-specific visualization dashboards, increasing defect code visibility from 4 to 50+, and facilitating cross-functional collaboration through improved data insights and governance.
- Supported logistics projects (Air to Ocean, Premium Reduction, Consolidations) by developing cost focused analytical views helping enable \$2.5M in cost savings.
- Engineered interactive lead time visualizations to identify and rectify manufacturing gaps, improving adherence by 15% and enabling real-time data access for cross-functional teams.
- Increased stakeholder engagement by 30% through biweekly data visualization training sessions and interactive dashboard tutorials, empowering teams globally to leverage analytics insights.

Logistics Analytics Product Owner, GE HealthCare, Hoboken, NJ Oct 2016 - Dec 2018

- Defined the data architecture for the new OTM (Oracle Transportation Management) data source and overhauled the existing data source by removing 70% of redundant code and reducing load time by 90%.
- Created global lead time standards for internal and external customer shipments by mining and modeling 5+ data sources (1M+ rows of data) leading to a change in 40% of inaccurate lead times.
- Managed multiple digital initiatives focused on logistics cost savings, forecasting expected costs, data quality standards, and training functional users on how to utilize the analytics insights to fulfill business objectives.

Logistics & Distribution Leader, GE HealthCare, Miami, FL Aug 2014 - Sep 2016

- Increased on time delivery by 16% by developing and implementing standard work with primary logistics carriers.
- Planned and executed ~130 Magnetic Resonance (MR) shipments inbound to Miami and outbound to Latin America.

Operations Management Leadership Development Program, GE HealthCare Jul 2012 - Jul 2014

- Directed production plan to bring Accessories production line on time delivery from 45% FW13 to 89% FW23.
- Implemented process standards in warehouse operations leading to a reduction of \$1.1M in inventory.
- Executed 100% of Q2 production plan and reduced work-in-progress inventory by 30 MR Cabinets (~\$1.5M ICV).

PROJECTS

Sentiment Analysis, [Link](#)

- Created interactive visualizations for sentiment analysis on pharmaceutical drug reviews using Python libraries (sklearn, textblob, pandas) to deliver actionable insights on customer satisfaction trends and improve product perception.

Sales Forecasting, [Link](#)

- Analyzed car sales to identify top-performing dealerships and models, supporting data-driven decisions. Developed a heatmap for regional sales and a revenue forecast using Prophet to enable proactive business strategies.
- Exploratory Data Analysis, [Link](#)**
- Developed a user-centered EDA application enabling dynamic data exploration with automatic generation of data previews, field relationships, summary statistics, and custom visualizations, supporting data-driven strategies for product and marketing teams.

EDUCATION

Quantic School of Business and Technology - <i>Executive MBA, Business</i>	Sep 2022 - Nov 2023
Pennsylvania State University - <i>Bachelor of Science, Industrial Engineering</i>	Aug 2007 - May 2012