# PURAV PATEL

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## SUMMARY

Senior Analytics Leader with expertise in business intelligence, AI, machine learning, and data analytics. Skilled in using Python to build predictive models that drive insights and optimize operations. Proven leadership in process improvement and cross-functional collaboration, eager to apply these skills to large-scale analytics challenges.

## SKILLS

**Leadership and Management** : Strategic Leadership, Data Driven Decision Management, Process Optimization
**Programming and 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**

- Implemented a machine learning model in Python (sklearn) to predict On-Time Delivery (OTD) with 70% accuracy, enabling proactive order management and fulfillment.
- 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.
- Hosted a company-wide ‘Intro to AI’ workshop for 200+ employees, demonstrating actionable steps to leverage AI in both professional and personal contexts to drive efficiency across everyday tasks.
- Established a comprehensive order fulfillment analytics hub for 100+ end users, centralizing dashboards, training materials, and operational guidelines for streamlined access.

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

- Led multiple continuous improvement events to revamp OTD analytics: expanded automated defect reason codes from 4 to 50+, provided visibility to cross-functional defect relationships, and developed function specific analytics views.
- Supported logistics projects (Air to Ocean, Premium Reduction, Consolidations) by developing cost focused analytical views helping enable $2.5M in cost savings.
- Developed lead time analytical views to identify and rectify manufacturing lead time gaps improving adherence by 15%.
- Increased stakeholder engagement by 30% by implementing biweekly stakeholder engagement meetings, providing global training sessions, and developing operational and metrics manuals.

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

- 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 incorrectly set up lead times.
- Defined the data architecture for the new OTM data source and overhauled the existing data source by removing 70% of redundant code and reducing load time by 90%.
- Managed 7+ digital projects 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

**Setniment Analysis,** Link

- Analyzed customer feedback from pharmaceutical drug reviews using Python libraries such as sklearn, textblob, and pandas, quantifying sentiment to enhance understanding of customer satisfaction and product perception.

**Exploratory Data Analysis,** Link

- An interactive exploratory data analysis (EDA) application that enables users to automatically generate key EDA outputs such as data previews, field relationship explorations, summary statistics, and custom visualizations.

## EDUCATION

**Quantic School of Business and Technology** - *Executive MBA, Business* **Sep 2022 - Nov 2023**

**Pennsylvania State University** - *Bachelor of Science, Industrial Engineering* **Aug 2007 - May 2012**