

SHASHWAT PATEL

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SUMMARY

Data Analyst with **5+** years of experience in **Supply Chain, Retail, Warehouse, Finance, Banking, and Healthcare**. Proficient in handling extensive datasets through data mapping, cleansing, validation, and processing using **SQL, Python**, and various data analysis libraries. Skilled in impactful visualizations with **Tableau**, and **Power BI**. Experienced in technical and business writing, contributing to **BRD, FRD, and SRS** documentation. Well-versed in end-to-end **SDLC** using Agile and Scrum methodologies.

TECHNICAL SKILLS

Programming Language: Python, SAS, SQL, XML, C/C++, HTML, JavaScript

Database: MySQL, Microsoft SQL Server, PostgreSQL, AWS S3, Redshift, Access

Libraries: NumPy, Pandas, Polars, PySpark, Seaborn, Matplotlib, Plotly, Folium, Flask, Selenium, Scikit-Learn

Visualization Tools: Tableau, Power BI

Project Management Tools: Jira, Microsoft Project, Microsoft Power Automate

Web services: AWS, Google Cloud Platform, Microsoft Azure

Methodology: Software Development Life Cycle (SDLC), Agile, Scrum

Other Tools: Microsoft 365 (Word, Excel, Access, PowerPoint, Visio, SharePoint), Git/GitHub, SAP CRM

Data Science/ Engineering Skills: Machine Learning, Probability & Statistics, Statistical Modeling

PROFESSIONAL EXPERIENCE

Data Analyst | Meijer

Dec 2022 – Current

Industry: Retail, Logistics, Supply Chain

Analyzing extensive datasets using statistical methods to identify trends and patterns in customer behavior, sales, and product performance, aiming to provide actionable insights for decision-making to increase profit.

- Obtained sales of approximately **1.2 million** dollars for the organization by optimizing operational efficiency and coordination by efficiently managing data for **31 stores** and a distribution center.
- Increase in data accessibility Leveraged data warehousing technologies, including **MySQL**, and **AWS Redshift** utilized and optimized Web services to streamline data management processes including data modeling, ETL processes, and dimensional data schema design using **SQL Queries** and **Python's NumPy, Pandas, Polars, PySpark** library.
- participated in generating test cases of **A/B Testing**, User Acceptance Testing, and the foundation for analytics and data-driven decision-making, empowering the company to achieve strategic objectives with greater precision.
- Increase in targeted marketing effectiveness by up to **15%** Analyzed and segmented customer data within **SAP CRM**.
- Increased Customer total spending and promotion engagement by up to **30%** by designing and implementing data-driven dashboards and analysis reports using Data Visualization with **Seaborn, Matplotlib, Plotly**, and **Folium** libraries.
- Generated **1.2M** revenue by creating interactive and visually engaged **Power BI/Tableau dashboards** that presented complex business data to stakeholders in an insightful way.
- Scaleup customer loyalty by **30%** and customer base by **20%** by introducing "**Subscription Purchases**" and "**Recipe Integration**".

Data Analyst | Discover Financial Services

Feb 2020 –

Nov 2022

Industry: Finance, Banking

Yielded highly accurate financial risk assessment with a **95%** accuracy rate using **Python**-based predictive modeling resulting in a **12%** decrease in charge-off and a **5%** increase in customer retention.

- Accelerated profit by **\$100,000** utilized a demand forecasted model using **SAS** to improve Collection rate and decrease customer defaults.
- Achieved a **15%** improvement in identifying potential risk factors with enhanced accuracy rates through in-depth analysis of customer purchase patterns, expenditure behaviors, and billing patterns.
- Drove a **30%** improvement in reporting efficiency by implementing the creation of dynamic and interactive dashboards using **PowerBI and Tableau**. Integrated Python for advanced analytics to deliver actionable insights to stakeholders.
- Elevated **20%** increase in the efficiency of recovery processes by leading the analysis of data from the recovery department. Introduced performance metrics and tracking mechanisms for improved operational outcomes.

Business Analyst | Wesco

Jan 2019 – Dec 2019

Industry: Manufacturing, Logistics, Supply Chain

Achieved the successful merger of two companies, oversee the integration and consolidation of data from both organizations and handled a combined dataset of over **20 million** records.

- Boosted **20%** in end-to-end project efficiency in a proposal for successful implementation by delivering impactful data lineage findings to executive leadership, driving decisions on data initiatives and investments.
- Maximized annual revenue by **\$500,000** by delivering Power BI and Tableau visualizations to clients, enhanced client satisfaction by **15%**, and supported business recommendations.
- Saved expenditure by **10%** for over **10 warehouse projects**, by creating and analyzing yearly expense, operational, and cost reports, and identified effective solutions utilizing cutting-edge technologies.

Database Coordinator Intern | GE Healthcare

Jun 2018 – Dec 2018

Industry: Healthcare, Retail, Logistics, Supply Chain

Successfully extracted, transformed, and loaded (ETL) **7M+** rows of data from various sources (SQL Server, text files, and Access) into the data warehouse using SQL queries and Python scripting, ensuring data accuracy, integrity, and compliance with documentation standards.

- Collaborated on Data Management Systems, including MySQL, PostgreSQL, and AWS Redshift.
- Assisted in documentation database processes, procedures, and best practices, ensuring adherence to established standards.
- Generated periodic reports based on the statistical analysis of the data from various time frames and divisions using SQL and exported cleaned data from Excel Spreadsheets, Text files, MS Access, and CSV files to the data warehouse.

EDUCATION

Master of Artificial Intelligence, Illinois Institute of Technology (IIT)

(Expected Graduation: **Dec 2025**)

Bachelor of Science: Computer Science, Northern Illinois University (NIU)

Dec 2018

CERTIFICATIONS

Machine Learning Masters, Edureka

Sept 2023

Google Data Analytics, Google

Apr 2022

Data Science and Machine Learning Bootcamp, Jovian

Mar 2022