

# Dhaval Patel

New Jersey | 201-809-9635 | [dhavalptl319@gmail.com](mailto:dhavalptl319@gmail.com) | [Portfolio](#)

## Summary:

Data Analyst with over 4 years of experience in extracting actionable insights from complex datasets using Python, SQL, and data visualization tools such as Tableau and Power BI. Expertise in statistical analysis, predictive modeling, and automation of data processes, contributing to efficiency gains and cost reductions. Adept at implementing machine learning algorithms and conducting exploratory data analysis (EDA) to support informed decision-making. Strong analytical, problem-solving, and communication skills, with a proven ability to collaborate with cross-functional teams and deliver insights that drive business growth.

## Education:

**Masters of Science in Data Science**, New Jersey Institute of Technology

**May 2023**

### Relevant Courses:

Applied Statistics, Data Analytics with R, Machine Learning, Database Management Systems, Deep Learning, Web Mining, Data Mining, Data Analytics for Information Systems.

**Certifications:** Google Data Analytics

**Jun 2024**

## Skills:

**Programming Languages:** Python, R, SQL

**Data Analysis Tools:** Tableau, Power BI, Advanced Excel (Pivot Tables, VLOOKUP)

**Statistical Packages:** NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, TensorFlow, Seaborn

**Database Management:** MySQL, PostgreSQL, MongoDB, SQL Server, Oracle

**Cloud Technologies:** Snowflake, AWS, Azure

**Methodologies:** SDLC, Agile, Waterfall

**Other Technical Skills:** Data Wrangling, Data Visualization, Machine Learning Algorithms, Hypothesis Testing, Regression Analysis, A/B Testing, Forecasting, Data Cleaning, Jira

## Experience:

**Data Analyst, Merck & Co.**

**Oct 2022 - Present**

- Accomplished a 30% increase in efficiency by creating custom Python scripts and applications, leading to timely and accurate data retrieval for GDO operations metrics and resources.
- Improved operational data analysis efficiency by 30% through the use of Pandas, NumPy, and Matplotlib for data manipulation and visualization.
- Reduced manual effort in data cleaning and reporting by 40% by developing and implementing VBA macros in Excel.
- Minimized data retrieval time by 50% by automating data extraction with SQL queries and stored procedures.
- Enhanced forecasting accuracy by achieving a 70% accuracy rate through statistical analysis and predictive modeling using Python's Scikit-learn libraries.
- Optimized resource requirement predictions by 70% accuracy by designing time-series forecasting models for predicting resource utilization.
- Facilitated stakeholder decision-making by increasing clarity and insights through the preparation of interactive dashboards and visualizations using Looker and Power BI.
- Delivered actionable insights and met project requirements by successfully collaborating with GDO Managers and cross-functional teams.
- Identified and solved process issues by generating complex queries, leading to innovative solutions and improvements in operational efficiency.

**Data Analyst, HCL Tech**

**Aug 2018- Jul 2021**

- Performed retail customer behavior analysis, demonstrated by successful data extraction from transactional databases, using SQL.
- Improved tracking and reporting of retail metrics, reflected in an enhanced dashboard system, by redesigning it with Tableau.
- Enhanced KPI monitoring effectiveness, indicated by more accurate sales, customer satisfaction, and profitability reports, by streamlining EDA with Python and SQL.
- Identified opportunities for marketing and sales strategy improvements by analyzing purchasing patterns, such as frequency, basket size, and brand loyalty.
- Assessed marketing strategies' success, as evidenced by increased customer engagement and conversion rates, through the design and execution of A/B tests.
- Boosted customer retention, leading to a 10% increase, by implementing data-driven loyalty programs and retention strategies.
- Optimized operational efficiency by identifying bottlenecks and offering actionable insights for process improvements.
- Reduced order processing time by 20%, through targeted process improvements, enhancing overall customer satisfaction.