

# Dhruv Patel

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## DATA ANALYST

Detail-oriented Data Analyst with expertise in data validation, integrity checks, and business process optimization. Proficient in SQL, Python, and Power BI, with hands-on experience in identifying discrepancies, eliminating duplicate records, and ensuring data accuracy across systems. Skilled in data cleaning, quality control checks, asset tracking, and generating performance reports to support business decision-making. Adept at developing efficient data workflows and collaborating with cross-functional teams to enhance data consistency and operational efficiency. Passionate about leveraging data-driven insights to improve business processes and maintain high standards of data integrity.

## SKILLS

Language	Python   SQL
Python Library	Pandas   NumPy   Matplotlib   Seaborn   Scikit-Learn
Technical Skills	Data Validation   Data Cleaning   Data Integrity   Data Reconciliation   Business Process Optimization   Data Governance   Asset Management   Duplicate Detection   Quality Control
Analytical Skills	Data Analysis   Data Visualization   Statistical Analysis   Root Cause Analysis   Critical Thinking   Problem-Solving
Soft Skills	Attention to Detail   Collaboration   Process Improvement   Time Management
Tools	Power BI   GitHub   Jupyter   Microsoft Office Suite   ERP Systems   SAP

## PROJECTS

### Data Quality Assessment and Anomaly Detection in Enterprise Systems

- Implemented automated data validation using Python (Pandas, NumPy) and SQL to identify missing, inconsistent, and duplicate records.
- Developed anomaly detection models using Scikit-Learn and PyOD to detect data discrepancies and improve data integrity.
- Designed Power BI dashboards to visualize data quality metrics, anomalies, and trends, enabling proactive issue resolution.
- Enhanced data accuracy, reducing operational inefficiencies and improving decision-making reliability.

### Predictive Analytics for Asset Management and Optimization

- Developed time-series forecasting models using Python (Pandas, Scikit-Learn) to predict asset performance and maintenance needs.
- Implemented SQL-based data pipelines to aggregate and preprocess asset data for trend analysis and anomaly detection.
- Designed Power BI dashboards to visualize asset utilization, maintenance schedules, and predictive insights for optimization.
- Enhanced asset management strategies by identifying patterns in data, leading to better decision-making and operational efficiency.

**Power BI Dashboard for Data Accuracy and Performance Monitoring**

- Designed and developed interactive Power BI dashboards to track data accuracy, consistency, and performance metrics.
- Integrated SQL-based data pipelines to extract, transform, and load (ETL) data for real-time monitoring and analysis.
- Implemented data validation checks to identify discrepancies, missing values, and inconsistencies across datasets.
- Provided actionable insights through visual reports, helping stakeholders improve data governance and decision-making.

**WORK EXPERIENCE**

**Main Flow Services and Technologies** 06/2024 - 08/2024

**Data Science Intern**

- Focused on Python during the internship
- Conducted exploratory data analysis (EDA) to identify trends and insights, aiding in data-driven decision-making processes
- Developed hands-on experience in data manipulation, visualization, and statistical analysis.

**Curly Brackets** 12/2024 - 03/2025

**Database Development Intern**

- Designed and optimized SQL databases, ensuring data integrity and efficient querying for business applications.
- Developed and implemented data validation processes to identify and resolve inconsistencies across datasets.
- Collaborated with the development team to improve database performance, reducing query execution time.

**EDUCATION**

**Bachelor-Computer Science & Engineering** 08/2021 – 04/2025

Parul University, Vadodara | CGPA: 7.61/10

**12<sup>th</sup> GSEB** 2021

Alembic Vidyalaya, Vadodara | Percentage: 80.76/100

**CERTIFICATIONS**

- **Data Science with Python** | Parul University
- **Data Analytics with Python** | NPTEL
- **Data Visualization with Power BI** |Great Learning