

PRATIK MALAVIYA

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PROFILE

Experienced Data Analyst skilled in managing and validating securities data to ensure accurate and timely delivery. Strong ability to resolve discrepancies, collaborate with cross-functional teams, and maintain high-quality service standards to meet client requirements. Proficient in R, Python, SQL, and business intelligence tools such as Tableau and Power BI, with a proven ability to deliver data-driven insights and solutions in high-impact environments.

EDUCATION

Master of Science: College of Professional Studies in Analytics | Northeastern University – Toronto January 2022 – July 2023
(Majors: Statistical Modeling, Business Analysis, Predictive Analytics, Machine Learning | GPA: 3.5/4.0)

Bachelor of Engineering, Information Technology | Parul University – Vadodara June 2016 – May 2020
(Majors: Big Data Analytics, IOT, Cyber Security, Networking | CGPA: 7.25/10)

EXPERIENCE

Sofvie Inc. | Capstone Project - Apprenticeship – Toronto, CA April – July 2023

- Managed real-time hazard data, implementing highly optimized ML models.
- Extracted data using advanced SQL queries for analysis.
- Ensured data quality through cleaning techniques like normalization and outlier removal.
- Optimized ML models using RFE-CV, Grid Search, and NLP.
- Achieved ~89% precision, ~85% recall, and a strong F1 score with XGBoost.
- Enhanced rescue strategies and business safety measures for Sofvie Inc.

Danfoss | Data Science Project - Apprenticeship – Toronto, CA July - December 2022

- Analysed sales distribution trends, identifying key growth areas and optimizing sales strategies.
- Developed sales forecasting models, improving accuracy by 15% in EMEA.
- Applied data manipulation techniques, reducing missing values by 25%.
- Improved forecasting accuracy by 20% using time-series models.
- Recommended strategies to align business expectations with actual sales, boosting accuracy by 10%.

Continix | Data Analyst – Ahmedabad, IN February 2021 – February 2022

- Collaborated with cross-functional teams to solve operational challenges using data insights.
- Conducted data analysis with Python and SQL, improving data accuracy by 90%.
- Created performance reports and tracked KPIs for senior management using Jira.
- Designed interactive visualizations and reports in Power BI.
- Used Excel for detailed data analysis and reporting tasks.
- Documented business processes and test cases, increasing client satisfaction by 25%.
- Presented complex data insights to stakeholders through clear visualizations.

Shivani Sales & Services | Data Reporting Analyst – Vadodara, IN December 2019 – January 2021

- Expertly conducted user training to enhance data utilization and reporting capabilities.
- Generated reports supporting company initiatives.
- Developed dashboards and metrics with MS Office, increasing reporting accuracy by 20%.
- Led efforts to standardize CRM documentation, reducing errors by 35%.
- Analyzed data to identify trends for strategic decisions.
- Produced reports with quantitative insights, enhancing operational efficiency.
- Ensured data integrity and compliance with best practices.

PROJECTS

World Nuclear Power Dynamics | Excel, Tableau, Adobe illustrator November 2023

- Analysed global nuclear power data, focusing on Pressurized Water Reactors (**PWRs**), using Tableau.
- Applied **data cleaning** and merging operations to ensure data accuracy and consistency.
- Developed an interactive dashboard **highlighting Russia's prominent role** in nuclear power generation (~72,370 MWe).
- Highlighted nuclear power's role in **reducing carbon footprint** and advancing **sustainable energy solutions**

Unrevealing Retail Insights | Tableau May 2023

- Designed a **Supermarket Dashboard** for sales analysis, revealing top products (**14% profit increase, 28% order growth**).
- Visualized profit ratio to guide decisions based on customer insights, enhancing **decision making efficiency by 30%**.
- Empowered stakeholders by **addressing a 50% profit drop** despite a 28% order increase in the **South region**.

An Era of E-mobility | *Personal Project*

February – 2023

- Developed interactive Tableau Dashboard illustrating EV adoption, pie chart showcasing **BEV & PHEV proportions** across manufacturers, **highlighting Jaguar's highest range**. Tracked **e-mobility** trend from **2010-present**.
- Presented pre-Tesla early adopters' **commitment to environmental conservation**.
- Utilized clustering techniques to identify top **EV models & average electric range**. Provided valuable insights for strategic decision-making & market understanding.

Disney Comparative Analysis | *University Project – Toronto, CA*

April -June 2022

- Studied Disney's vast film and show data (1954-2020), highlighted top content and runtimes.
- Designed Tableau interactive dashboard displaying popularity, age patterns; **pinpointed 10,000+ PG movies**.
- Used statistics for insightful decisions on Disney's content basic trends and patterns.

TECHNICAL SKILLS

Programming Languages: Python, R Programming, Java, XML, JSON, PowerShell

Tools: Power BI, Tableau, MicroStrategy, Google Data Studio, SAS

Database: SQL, Big Query, SQL Server, Azure SQL, Hadoop

Cloud Platforms: AWS

MS Office: Excel, PowerPoint, Outlook, SharePoint, PowerApps, Microsoft Azure, DAX Functions

Other Competencies: Active Learning, Communication skills, Innovative & Critical thinking, Collaborative, Analytical skills, Decision Making, Data Engineering, Agile Development, Financial products, Reporting analytical capabilities, Project Management, Data Integration and ETL experience

CERTIFICATION

- Certified **Tableau Desktop Specialist (TDS-C01)**, *Issued by Tableau*
- Advance Google Analytics, *Issued by Google*
- Applied Machine Learning Foundations, *Issued by LinkedIn Learning*
- Generative AI Fundamentals, *Issue by Databricks*

REFERENCE

Available upon request.