

Aditya Chavan

adichavan.asc@gmail.com • (650) 762-9696
[LinkedIn](#) • [Portfolio](#) • San Francisco Bay Area, CA

Data Analyst

Dynamic and innovative data analyst, with around 7 years of experience, driving continual improvement for companies through the extraction and analysis of complex data. Routinely utilizes SQL, Python and Advanced Excel to transform raw data from disparate sources into actionable business intelligence with immediate improvements for operations. Produce unique and stunning visualizations in Tableau and Power BI to narrate stories and promote data-driven decision making. Demonstrated expertise in delivering comprehensive business intelligence solutions through hands-on experience in designing dimensional models, crafting business models, and developing robust data models for end-to-end analytical solutions. Proven capability to seamlessly embrace evolving technologies and translate them into practical solutions for business requirements. Inherently motivated and adept at swiftly acquiring proficiency in new tools and technologies.

Technical Proficiencies

Programming and Scripting Languages:	SQL, R and Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, NLTK and BeautifulSoup)
Machine Learning and Statistical Methods:	Linear and Logistic Regression, ANOVA, K-Nearest Neighbors (KNN), Decision Tree, Random Forest, Support Vector Machine, K-Means Clustering, Naïve Bayes, and Hypothesis Testing
Data Visualization and Business Intelligence:	Power BI, Tableau, Looker, Salesforce, and Microsoft Office (including Excel, PowerPoint, SharePoint, OneDrive, and Outlook)
Databases, Cloud Computing, and ETL:	MySQL Workbench, Oracle SQL Developer, Microsoft SQL Server, PostgreSQL, Databricks, Snowflake, Hadoop, Apache Airflow, and AWS (including EMR, S3, Redshift, and Quicksight)
Integrated Development Environments (IDEs):	Jupyter Notebooks, Visual Studio Code (VS Code), RStudio, Google Colab, Spyder

Career Experience

University of St. Thomas, MN - Remote

January 2023 – Present

Data Analyst

- Implemented complex SQL queries, sub-queries with window functions, stored procedures, triggers, aggregate functions, CTEs which reduced report generation time by 40% for cross-functional teams. Created scheduled, ad hoc Tableau dashboards, in an agile environment, to monitor KPIs and rubrics for prospect research, thereby enhancing data-driven decision-making
- Designed and implemented a machine learning classification model, with an accuracy of 85%, using Python libraries (Pandas, NumPy, Seaborn, Matplotlib, scikit-learn) to identify qualifying donor leads, which resulted in a 30% increase in conversion rates for fundraising campaigns
- Performed descriptive and inferential statistical analysis on alumni data using Python to uncover insights on alumni engagement levels and factors influencing the donation capacity
- Collaborated with cross-functional teams to implement data pipelines to support various business function, resulting in a 30% reduction in data processing time and improving data accuracy by 25%

Environment: Oracle SQL Developer, Oracle Application Express, Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, NLTK), Visual Studio Code, Jupyter Notebook, Tableau, Microsoft Excel, AWS, Machine Learning - Logistic Regression, Random Forest, Support Vector Machine, Natural Language Processing (NLP), Descriptive and Inferential Statistical Analysis, ETL

- Extracted historic applicant data from relational database using advanced SQL queries and employed predictive modeling using Python libraries to forecast enrollment outcomes which helped in achieving a targeted 15% increase in international student enrollment for the upcoming academic year
- Reduced manual data handling by 25% using Apache Airflow to connect multiple data sources in an extract, transform, load (ETL) function
- Developed Tableau dashboards to measure enrollment trends, demographic profiles, admissions funnel, and admission rates which helped influence decision making for the International Admissions Team
- Preserved records and reports for over 8,000 applicants during each admissions cycle using Salesforce CRM

Environment: MySQL, Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn), Jupyter Notebooks, Apache Airflow, Tableau, Microsoft Excel, Salesforce, Snowflake, Machine Learning - Linear Regression, ETL

- Contributed to a 20% increase in customer engagement by collaborating with the marketing and design teams to conduct A/B testing and drive improvements from user feedback
- Reduced report generation time by 40% through the creation and deployment of advanced SQL queries (joins, window functions, stored procedures, CTEs)
- Increased targeted marketing campaign effectiveness by 20% through data preprocessing (utilizing SQL and Python) to extract data, eliminate duplicates, outliers and perform analysis on the data
- Designed and built automated and interactive reports in Power BI to discover information on inventory, sales channels, distributors, resellers, and overall product performance

Environment: PostgreSQL, Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn), Jupyter Notebooks, Power BI, Microsoft Excel, Machine Learning - Logistic Regression, Random Forest, Support Vector Machine, A/B Testing

- Utilized MySQL queries with window functions, aggregation, and joins to build actionable reports. Combined data from 12 disparate sources while maintaining data integrity
- Collaborated with Hiring and Staffing teams, in a fast-paced environment, to establish the reporting infrastructure by performing data integration, transformation and loading it to the data warehouse thereby improving the team efficiency by 30%
- Cultivated a 25% improvement in hiring efficiency by performing EDA (Exploratory Data Analysis) in Jupyter Notebooks using Python libraries like Pandas, Seaborn and Matplotlib
- Built compelling visualizations in Tableau and Power BI to story tell data-driven findings, resulting in a 20% increase in stakeholder engagement

Environment: MySQL, Python (NumPy, Pandas, Matplotlib, Seaborn), Jupyter Notebooks, Tableau, Power BI, Microsoft Excel, Descriptive and Inferential Statistical Analysis, Google Cloud Platform (BigQuery)

- Using SQL queries, pulled timesheet data to ensure that there was no billing or revenue loss due to late submission or non-approvals of billed time for client projects. Improved timesheet submission rate by 30%
- Collected, cleaned, and analyzed structured data to ensure a minimum bench of projects was maintained at no greater than 5%
- Performed analysis and built impactful visualizations using Advanced Excel to uncover the trends and pattern in the space management data using Advanced Excel, which helped the business operations team save 15% of its yearly budget allocated for space

Environment: Oracle SQL Developer, Microsoft Excel (Pivot Tables, V-LOOKUPS, Conditional Formatting, Data Validation etc), Descriptive and Inferential Statistical Analysis

Education

Master of Science in Business Analytics (Data Science) – 2022
California State University, East Bay

Bachelor of Engineering in Electronics and Telecommunication – 2016
University of Mumbai

Awards

Spot Award, Fractal Analytics – May 2020 and August 2020

- Recognized for building reporting infrastructure and data visualizations.