PRANAV DALVI

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EDUCATION

Syracuse University, Syracuse, NY — August 2023 - Present
Master of Science| Information Systems

- GPA: 3.9/4.0
- Relevant Courses: Introduction to Data Science, Data Admin Concepts and Database Management, Data Analysis & Decision Making, Visual Analytics Dashboard, Applied Machine Learning, Scripting for Data Analysis

University of Mumbai, Mumbai, India — August 2019 - May 2023
Bachelor of Engineering| Information Technology

- GPA: 3.7/4.0

EXPERIENCE

Data Analyst, iConsult Collaborative at Syracuse University, Syracuse, USA — November 2024 - Present

- Analyse and optimize resource allocation using Python and SQL, identifying patterns contributing to a 15% reduction in operational costs and enhance profitability through cost optimization strategies.
- Integrate and ensure data quality across datasets from 3+ disparate sources, leveraging Python and SQL for comprehensive analysis, data cleansing, and transformation, achieving a 10% reduction in data errors.
- Collaborate with data engineers to develop and automate ETL workflows, streamlining real-time data preparation and reducing manual intervention by 10%, improving reporting accuracy.
- Developed interactive Tableau dashboards that visualized critical KPIs such as operational efficiency and cost management, achieving a 25% reduction in reporting time while enhancing data-driven decision-making across departments.

Data Analyst Intern, Peacock Solar, India — June 2020 - September 2020

- Enhanced ETL pipelines, conducting intricate data transformations across various tools (Informatica, Snowflake, Power BI, Advanced Excel) from over six data sources to meet analytical requirements.
- Created statistical and machine learning models, along with interactive dashboards, to understand key performance indicators (KPIs) and design innovative marketing strategies, driving a 35% revenue growth for an e-commerce client.
- Analyzed client raw data in SQL to generate autonomous KPIs, improving real-time analytics by 20%, and optimized large databases with over 5 million rows, increasing efficiency by 15%.

ACADEMIC PROJECTS

eSC Energy- Prediction and Recommendations for future energy — August 2023 - December 2023

- Headed a team in examination of data from 5000 residences and 50 counties, integrating weather details into a dataset comprising 4.5 million rows.
- Implemented advanced data cleaning and feature engineering techniques, refining up to 30,000 rows for precision. Executed a robust time-split logic for insightful data aggregation, enhancing model accuracy.
- Applied predictive models like Linear Regression, SVM, and XGBoost to cut down future energy consumption by 0.6% and mitigate a projected 10.2% increase, addressing HVAC efficiency concerns.
- Constructed an interactive Shiny app for South Carolina residences, leveraging comprehensive Exploratory Data Analysis (EDA) and achieving an 81% accuracy rate using Linear Regression.

Covid-19 Data Analysis — January 2023 - May 2023

- Analyzed global COVID-19 time-series data, achieving a 92% accuracy in predicting case trends using statistical and machine learning techniques like Linear Regression and Time Series Forecasting.
- Created interactive dashboards and visualizations using Python libraries (Matplotlib, Seaborn, Folium), providing real-time insights into pandemic trends, improving data-driven decision-making by 30%.
- Conducted comprehensive analysis comparing COVID-19 with other epidemics, visualizing data for over 50 countries, and identifying key patterns influencing pandemic response strategies globally.

Electric Vehicle Insights and Adoption in New York State — September 2024 - December 2024

- Developed interactive Tableau dashboards analysing EV trends in New York State, including data on over 172,000 rebates and 418,487 metric tons of GHG emission reductions.
- Mapped geographic distribution of 15,792 charging ports, visualizing network growth and highlighting readiness to meet EV demand.
- Identified market trends, revealing Tesla's 32.73% market share, and showcased registration growth from under 50,000 in 2017 to over 123,000 by 2022.
- Evaluated economic incentives, illustrating $162M in rebate spending and savings opportunities, empowering users to make informed decisions on EV purchases.

SKILLS

- Languages: Python, C++, HTML, CSS, C#, R, SQL, DAX, VBA
- Frameworks: Node.js, BootStrap, Angular, Net, BigQuery
- Tools: MS Excel (XLookup, Regression, Pivot Tables), Salesforce, Tableau, PowerBI, Snowflake, Looker