

Pranav Dalvi

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EDUCATION

Master of Science, Information Systems

Syracuse University, New York, USA

Relevant coursework: Introduction to Data Science, DBMS, Data Analysis & Decision Making, Machine Learning

August 2023-Present

GPA: 3.9/4.0

Bachelor of Engineering, Information Technology

University of Mumbai, Mumbai, India

August 2019- May 2023

GPA: 3.7/4.0

WORK EXPERIENCE

Role: Data Analyst

iConsult Collaborative at Syracuse University

Syracuse, New York

November 2024 - Present

- Analyze 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.
- Design dynamic Tableau dashboards to visualize KPIs, including operational metrics and cost efficiencies, reducing reporting time by 25% and driving data-informed decision-making.

Role: Data Analyst Intern

Peacock Solar

Mumbai, 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 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%.

SKILLS

- **Languages:** Python, C++, HTML, CSS, C#, R, SQL, DAX, VBA
- **Tools:** MS Excel (XLookup, Regression, Pivot Tables), Salesforce, Tableau, PowerBI, Snowflake, Looker
- **Certifications:** Excel 2019 Associate, Ultimate AWS Certified Cloud Practitioner, Blockchain Basics.

ACADEMIC PROJECT EXPERIENCE

eSC Energy Prediction and Recommendations for future Energy

August 2023-December 2023

- Led a team to analyze data from 5000 residences across 50 counties, integrating weather data into a 4.5-million-row dataset to address HVAC efficiency concerns.
- Applied predictive models (Linear Regression, SVM, XGBoost) and advanced feature engineering to reduce energy consumption by 0.6% and mitigate a projected 10.2% increase.
- Developed an interactive Shiny app with comprehensive EDA, achieving 81% prediction accuracy for South Carolina residences.

EV Insights and Adoption in NY State- [Link](#)

August 2024-December 2024

- Designed interactive Tableau dashboards analyzing EV trends in NY State, covering 172,000 rebates, 418,487 metric tons of GHG reductions, and mapping 15,792 charging ports to highlight network growth.
- Identified market trends, including Tesla's 32.73% share, registration growth from 50,000 in 2017 to 123,000 in 2022, and \$162M in rebates, enabling informed decision-making.

S&P 500 Stock Market Performance Analysis- [Link](#)

August 2024-December 2024

- Created a robust Python framework to analyze historical stock market trends for major technology companies, achieving 95% confidence level accuracy in VaR estimates, aiding investors in risk assessment.
- Implemented statistical and time-series analyses, including rolling averages and correlation matrices, uncovering strong interdependencies facilitating portfolio diversification strategies.