JENIL DESAI

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SUMMARY

Good reasoning ability to define problems, collect data, establish facts, and draw valid conclusions. Well versed with Data Analysis, Modeling/Prediction and Machine Learning techniques. Willing to learn from the ground up, able to be multi task, detail oriented.

ACADAMIC QUALIFICATION

Northeastern University, Boston (GPA 3.74/4.00) Sept 2022 - May 2024
Master of Professional Studies, **Data Analytics** concentration in **statistics modelling**

GLS University, Ahmedabad (GPA 7.3/10) Jun 2020 - May 2022
Master of Science, Information Technology

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, Java, SQL, Go, MongoDB, PySpark, C++, C#.
Analytical Tools: Tableau, Power BI, Microsoft Excel, Qlik, R Shiny, Google Analytics, Altrex.
Machine Learning: Matplotlib, NumPy, Pandas, Seaboarn, Sklearn, Kubeflow, Model Implantation, Data Prepration.
Concepts: Object Oriented Programming (Java & Python), AWS, Statistical data analysis, data modeling techniques, **Regression, clustering, Data Cleaning, Data Processing, Data Transformation, and Data Mining, Big Data, Hadoop, Hive.**
Data Structures: Arrays, Lists, Stacks, Queues, Heap, Hashing, Trees, Graphs, Linked Lists.

PROFESSIONAL CAREER

Data Analytics Intern - Myregistry.Com Jan 2022 - Jun 2022

- Utilizing analytical reports created with Power BI, departments were able to make data-driven choices and target opportunities for business growth, resulting in a 15% increase in revenue in just six months.
- By using efficient data cleaning and transformation procedures, it was possible to reduce data mistakes and inconsistencies by 25% while maintaining excellent data quality and Python integrity in analytical reports.
- Analyzed user behavior and purchasing trends to find cost-saving opportunities, which led to a 10% decrease in operational costs.
- By examining onboarding behavior and recurring customer patterns, we were able to deploy focused methods to improve customer experience, increasing customer retention by 20%.
- Through the use of A/B testing techniques, marketing campaign performance was increased by 30%. This enabled data-supported recommendations and adjustments that maximized return on investment (ROI).
- Regression analysis and clustering were used in predictive modeling, improving forecasting accuracy by 12% and enabling successful data-driven decision-making for important business objectives.

ACADEMIC PROJECTS

Data Analysis and Insights from the Current Population Survey Dataset March 2023 - April 2023

- Conducted comprehensive data analysis of the Current Population Survey dataset, using data cleansing techniques and descriptive statistics to identify trends and insights.
- Developed a predictive model using linear regression, XGBoost and Random Forest that achieved an accuracy of 85% in predicting net family income based on factors such as education, occupation, ethnicity, and marital status.
- Created visually appealing data visualizations and effectively communicated findings, showcasing strong analytical and communication skills

House Sales Prediction - Python, Excel Sept 2022 - Oct 2022

- Analyses and visualization of current trends of house price and sale across the time duration given in the dataset. Identify the current house trend and forecast of price for upcoming years using predictive analytical Decision Tree and Time Forecasting models.
- Improved the overall market share for specific house titles by implementing data-driven strategies based on attribute analysis, resulting in a 10% increase in market share within the targeted segments.
- Determining the attributes related to house sale that impact the overall gross market for each title as well as department distributed across the king county's house sales.

E-Commerce's Sales Data Analysis - Tableau, R studio, Excel Sept 2022 - Oct 2022

- Used exploratory data analysis (EDA) and regression techniques to analyze and interpret the data using the R programming language.
- Generalized linear methods that are efficiently created and put into use to interpret data and respond to strategic and operational questions.
- Improving the predictive outcomes by using correlation and logistic regression methods.