Jenil Desai

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PROFESSIONAL SUMMARY

Experienced Data Scientist adept at managing data tasks and developing **ETL processes, resulting in a 30% ROI increase**. Skilled in Tableau dashboard creation and **Python-based predictive analytics**. As a Graduate **Tutor, mentored 150+ students**, and spearheaded impactful initiatives as a Data Analyst, **driving a 25% reduction in data cleaning efforts and enhancing forecasting accuracy by 12**%.

TECHNICAL SKILLS

Programming: Python [Scikit-learn, TensorFlow, Keras, PyTorch, Flask, Monai, Plotly, MATLAB, PySpark, Scipy], R [Ggplot2, Shiny], Java
Databases: MySQL, MongoDB, CosmosDB, SQL Server, PostgreSQL, Hive
Analytical Tools: Tableau, Power BI, Looker, Excel, Alteryx
Machine-Learning: Regression, Classification, Clustering, Natural Language Processing, Hyperparameter Tuning, Hypothesis Testing
Technologies: Azure, AWS, Git, Linux, Apache Spark, Hadoop, Docker, Kubernetes, A/B Testing, Data Modeling, Data Cleaning

PROFESSIONAL EXPERIENCE

Data Scientist/Analytics Intern |MyReistry.com, New York City, NY   September 2023 - Present
- Proficiently managing data manipulation tasks in **MS SQL, including CRUD operations and join operations**, to extract meaningful information for analysis.
- Developing **ETL/ELT processes with Azure Pipeline** and **Azure Machine Learning for predictive modeling**, while also handling large-scale data processing tasks such as A/B testing and working with millions of data points.
- **Creating interactive Tableau dashboards** for visualization and presenting data to top management, contributing to a **30% increase in Return on Investment (ROI)** through data-driven strategies and optimizations.
- Developing data models for **predictive analytics using Python and Azure services**, leveraging machine learning algorithms to forecast outcomes and drive informed decision-making.

Graduate Tutor for Predictive Analytics | Northeastern University, Boston, MA   July 2023 - Present
- Mentored **over 150 students in Python and Machine Learning** for **Predictive Analytics**, providing guidance on fundamental concepts and practical applications.
- Led hands-on sessions on data modeling, cleaning, and machine learning techniques, fostering understanding among participants.

Data Analyst | Qeleo Technolabs, India   January 2021 - August 2022
- Spearheaded the implementation of a CI/CD pipeline for deploying analytical reports in Power BI and Tableau, delivering impactful insights to top management.
- Optimized the ETL process using Microsoft Query Editor, SQL, and Python, resulting in a 25% reduction in data cleaning efforts.
- Elevated customer experience and retention by **20% through in-depth analysis and A/B Testing** of marketing campaigns, collaborating on JIRA to address data inconsistencies, and driving data-driven decisions across departments, leading to **a 15% revenue increase.**
- **Achieved a notable 12% enhancement** in forecasting accuracy by employing advanced machine learning techniques, including regression analysis, Decision Trees, and Gradient Boosting, working with millions of data points, and creating many comprehensive dashboards.

PROJECTS

Data-Driven Car Insurance Risk Assessment and Pricing Optimization   May 2023
- Utilized advanced data cleaning techniques, including KNN imputation, to ensure comprehensive analysis of key variables like Credit Score and Annual Mileage, processing **6.6 million data points with a 95% completion rate**.
- Implemented and assessed three predictive models (**Gradient Boosting, Logistic Regression, Random Forest**) with feature selection methods and confusion matrices, alongside **Principal Component Analysis (PCA), resulting in a 10%** enhancement in accuracy for risk assessment and pricing strategies.

Empowering Transparency: Analyzing Boston City Employee Earnings for 2022   October 2023
- Led comprehensive analysis of 2022 Boston city employee earnings data using Python, PySpark, Tableau, and advanced predictive modeling, uncovering earning patterns and fostering transparency in public spending.
- Spearheaded exploratory data analysis (EDA), rigorous data cleaning, and predictive modeling efforts, resulting in actionable insights to optimize compensation strategies and promote fair remuneration practices within the organization.

EDUCATION

Northeastern University, Boston, MA   Expected June 2024
Master of Professional Studies in Analytics with Statistical Modeling   GPA 3.82/4
Relevant Coursework: Data Mining, Data Visualization, Predictive Analytics, Big Data Analytics, Leadership in Analytics, Probability & Statistics, Risk Analytics, Python System Technology
GLS University, India   May 2022
Integrated Master of Science in Information Technology