

Jenil Desai

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PROFESSIONAL EXPERIENCE

Data Analyst | MyRegistry.com, Fort Lee, NJ

September 2023 - April 2024

- Proficiently managing data manipulation tasks in **MS SQL, including CRUD operations and join operations**, to extract meaningful information for analysis, **achieving 98% accuracy** and efficiency across all tasks.
- Implemented cloud **data processing** on **Azure (HDInsight, Blob Storage, Azure Data Factory, Azure Functions)**, managed **data warehouses** on Azure Synapse Analytics, optimized storage with Azure Data Lake Storage, and **enhanced ETL/ELT efficiency by 20% using Apache Airflow**.
- Developing regression and clustering data models** for **predictive analytics** using **Python** and **Azure ML services**, leveraging machine learning algorithms to forecast outcomes and drive informed decision-making.
- Utilized **DAX and Power Query in Power BI** for efficient data transformation and advanced analytics. **Designed interactive dashboards** to visualize customer behaviors, sales trends, conversion rates, and product performance, conducting **A/B Testing** for marketing campaigns resulting in a **25% ROI** increase.

Graduate Tutor for Predictive Analytics | Northeastern University, Boston, MA

July 2023 – July 2024

- 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 2022 - 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.
- Utilized Microsoft Query Editor, SQL, Python, and **AWS services (including AWS Lambda, S3, and Redshift)** to optimize data processes, **resulting in a 25% reduction in data cleaning efforts**.
- Elevated customer experience and retention by **20% through in-depth analysis and A/B Testing** for product development, collaborating on JIRA to address data inconsistencies, and driving data-driven decisions across departments, leading to a **15% revenue increase**.
- Achieved a notable 95% 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

Llama 2 BlogGen: Revolutionizing Personalized Content Creation

May 2023

- Crafts customized blog posts using the **cutting-edge Llama 2 model**, tailored to user-defined parameters **such as word count, purpose, and guiding** questions.
- Empowers users with a seamless and intuitive experience through a **user-centric interface developed with Python and Streamlit**, while **seamlessly integrating advanced natural language processing techniques** for personalized content generation.

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, GNNs, 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.

TECHNICAL SKILLS

CERTIFICATION:

Microsoft Certified: Azure Data Fundamentals

Programming:

Python, R, Java, SQL

Databases:

MySQL, MongoDB (NoSQL), SQL Server, PostgreSQL, PL/SQL, DAX

Analytical Tools:

Tableau, Power BI, QlikView, Microsoft Excel, VBA, Jupyter Notebook, ETL/ELT Tools, SAS

Cloud:

Azure (Data Lake Storage, Microsoft SSIS, Data Factory, Synapse Analytics, Data Bricks, SQL Database), AWS (AWS Lambda, S3, and Redshift)

Machine-Learning:

Regression, Classification, Clustering, Natural Language Processing, Hyperparameter Tuning, Hypothesis Testing, Pandas, Numpy, PyTorch, PySpark, REDcap, Scikit-learn, OpenCV, TensorFlow, Keras, Flask, Scripy

Technologies:

Git, Linux, Apache Spark, Hadoop, Docker, Kubernetes, A/B Testing, Data Modeling, Data Cleaning

EDUCATION

Northeastern University, Boston, MA - GPA 3.82/4

June 2024

Master's in Data Analytics with **Statistical Modeling**

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