Benedict William Raj

benedictwraj117@gmail.com ❖ +1(716)-846-3192❖ linkedin ❖Portfolio

WORK EXPERIENCE

University at Buffalo
Aug. 2024 – Dec. 2024

Project Clinic Assistant — *New York, USA*

- Engineered Python scripts to scrape and extract real-time data from websites, ensuring accurate and relevant data collection for business analysis.
- Optimized resource allocation by applying linear programming, balancing staffing needs against cost constraints to enhance efficiency.
- Developed a predictive forecasting model to estimate staffing requirements under various growth scenarios, improving workforce planning accuracy.
- Designed interactive dashboards using Streamlit to visualize staffing levels, resource utilization, and future projections, enabling dynamic stakeholder insights.
- Implemented scenario analysis capabilities to predict staffing needs under different growth projections, supporting data-driven decision-making.

Go Digital Technology Consulting
Oct. 2023 – Jun. 2024

Data Engineer — *Mumbai, India*

- Collaborated with system architects, design analysts, and project managers to align data solutions with business and industry requirements.
- Designed and implemented scalable data models to support dynamic business needs and improve data accessibility.
- Developed Oracle BI Publisher reports to perform ETL processes, enhancing data ingestion and integration into the data warehouse.
- Built new data pipelines for Oracle Human Capital Management (HCM) using Ascend and Snowflake to support BI reporting.
- Migrated and optimized Oracle SCM modules (O2C, P2P, GLDM pipelines) within Snowflake, improving performance and scalability.
- Automated ETL workflows using Python to extract, transform, and load hundreds of SCM tables, reducing manual effort and improving data processing efficiency.

LTIMindtree
Jun. 2021 – Oct. 2023

Data Engineer — *Mumbai, India*

- Mentored and led a team of two data engineers to develop concise, reusable, and scalable code, improving coding efficiency.
- Managed ETL processes, ensuring data integrity and pipeline stability through rigorous testing and validation.
- Optimized an existing Python/PySpark ingestion pipeline by converting it to Snowpark, increasing performance by 80%.
- Designed and developed interactive analytical dashboards using Tableau, enabling data-driven decision-making.
- Executed cloud migration of a traditional SQL system to Snowflake, enhancing scalability and performance.
- Gained expertise in ingestion tools such as Databricks, Azure Data Factory (ADF), Fivetran, and Qlik, building ingestion pipelines.
- Developed multiple time-efficient REST APIs using Python and Apache Airflow to streamline data delivery.
- Built a data lineage application for Snowflake, improving data visibility and tracking data origin.

EDUCATION

University at Buffalo, State University of New York
May 2025

Master of Science, Business Analytics — *Buffalo, USA*

Database Management System, Financial Modeling, Predictive and Statistical Analysis, ML Optimization, AI for Managers, Supply chain analytics, Data Visualization, Model Managerial

University of Mumbai, Fr. Conceicao Rodrigues Institute of Technology.
May 2021

Bachelor of Engineering, Computer Engineering — *Mumbai, India*

Data Structures, Design and analysis of Algorithms, Computer Architecture, Database Systems, Operating Systems, Natural Language Processing, Artificial Intelligence, Data Warehousing

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Snow Pro Certified 2025-27, 2022 -24; SQL Basic/Medium
- **Skills:** Python, SQL, C, PHP, Snowflake, PostgreSQL, MySQL, ETL, Data Modeling, Spark, Azure ADF, Oracle Fusion, Fivetran, Qlik, Airflow, Ascend.io, Databricks, Power BI, Tableau.
- **Interests:** Gym, Gaming, Travel