

# BENEDICT WILLIAM RAJ

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## EDUCATION

### UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

#### Master of Science, Business Analytics

Jun. 2025

Database Management System, Financial Modeling, Predictive Analytics, Statistical Analysis

### UNIVERSITY OF MUMBAI, FR. CONCEICAO RODRIGUES INSTITUTE OF TECHNOLOGY

#### Bachelor of Engineering, Computer Engineering

Jun. 2021

Data Structures, Design and analysis of Algorithms, Computer Architecture, Database Systems,

Operating Systems, Natural Language Processing, Artificial Intelligence

GPA: 3.7/4.0

## EXPERIENCE

### UNIVERSITY AT BUFFALO

New York, USA

#### Project Clinic Intern / Assistant

Aug. 2024-Dec. 2024

- Developed Python scripts to scrape and extract real-time data from websites, tailored to meet specific business requirements, ensuring accurate and relevant data collection for analysis.
- Applied linear programming (to optimize resource allocation, balancing staffing needs against cost constraints.
- Developed a predictive forecasting model to estimate staffing needs under various growth scenarios.
- Built interactive dashboards using Streamlit to visualize staffing levels, resource utilization, and future projections, enabling dynamic data exploration for stakeholders.
- Delivered scenario analysis capabilities for predicting staffing needs under different growth projections.

### GO DIGITAL TECHNOLOGY CONSULTING LLP

Mumbai, India

#### Engineer

Oct. 2023-Jun. 2024

- Collaborated with system architects, design analysts and project managers to understand business and industry needs.
- Designed and implemented data models tailored to fulfill the dynamic requirements of the business.
- Developed Oracle BI Publisher Report to perform ETL into Data Warehouse.
- Developed new data pipelines for Oracle Human Capital Management using Ascend and Snowflake to develop BI reports.
- Migrated Existing Oracle EBS modules to Fusion SCM modules (O2C, P2P, GLDM pipelines) into Snowflake.
- Optimized SQL queries for supply chain modules, resulting in faster execution of pipelines.
- Automated pipeline to extract and load of 100's of table using Python.

### LTIMINDTREE

Mumbai, India

#### Data Engineer

Jun. 2021-Oct. 2023

- Mentoring and leading a team of 2 junior data engineers to write concise, reusable, and scalable code.
- Collaborated on ETL (Extract, Transform, Load) tasks, maintaining data integrity, and verifying pipeline stability.
- Converted an existing Python/Pyspark ingestion pipeline to Snowpark and increased its performance by 80%.
- Designed and created new analytical dashboards using Tableau.
- Undertook cloud migration of traditional SQL system to Snowflake system.
- Learnt various ingestion tools Databricks, ADF, Fivetran and Qlik and built an ingestion pipeline.
- Created and optimized multiple time-efficient REST APIs with Python and Airflow for providing data to third party clients.
- Constructed a data lineage application to identify data origin and visibility for Snowflake.

## SKILLS

**Programming Languages:** Python, SQL, C, PHP

**Database/ Datawarehouse:** Snowflake, PostgreSQL, MySQL

**Cloud/ ETL:** Azure, Oracle Fusion, Fivetran, Qlik, ADF, Airflow, Ascend.io, Databricks

## CERTIFICATIONS

- Snow Pro Certified 2022 -24

## ACTIVITIES

- Qualified for Smart India Hackathon for final round 2022.
- Awarded "Special Jury Award" in Snowflake Hackathon.