

FEMINTO FRANCIS

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SUMMARY

Business Intelligence Engineer with 6 years of experience in building and optimizing data pipelines, advanced reporting, and streamlining ETL processes. Skilled in handling large datasets, optimizing data workflows, designing custom dashboards and transforming complex information into meaningful insights to drive decision-making.

TECHNOLOGIES / SKILLS

Programming and Scripting: Python, SQL, PySpark

Database and Data Warehousing: Redshift, Postgres, Athena

Cloud and ETL: AWS, Databricks, Amazon S3, Alteryx

Visualization, Reporting and BI Tools: Tableau, Power BI, Matplotlib, Alteryx, Microsoft SSRS, Excel

Version Control and Workflow Automation: GitHub

AI and ML: LLaMA, GPT, Spacy, VADER Sentiment, Classification and Regression models

EDUCATION

Arizona State University

August 2022 – May 2023

Master's in Business Analytics (MS)

3.9 GPA

PROFESSIONAL EXPERIENCE

Business Intelligence Engineer

June 2023 – Present

Arizona State University (ASU)

(Remote) USA

- Engineered and automated scalable **SQL**-based ETL pipelines, reducing processing time by **40%**.
- Implemented an **AI-powered LLaMA** model for sentiment analysis on student surveys, which led to course restructuring, improved resource allocation, and a **25%** cost reduction.
- Designed and optimized advanced data models on **Redshift** for reporting; reducing query execution time by **50%**, and improving data quality and retrieval efficiency.
- Built a statistical model on **Python** to forecast future enrollments, that supported in forecasting revenue, optimized budget, and drove a **19%** profit increase over two years.
- Developed and maintained **Tableau** dashboards, tracking KPIs for Academics, Finance, HR, and Employee data.
- Handled **50+** support tickets every quarter, delivering actionable insights to the cross functional teams and resolving data issues.

BI Engineer (Business Technology Solutions Associate)

November 2020 – July 2022

ZS Associates

Pune, India

- Automated data deliveries to **Amazon S3** using **PySpark** script, reducing processing time by **30%** and improving data availability.
- Optimized ETL workflows, cutting transformation time by **25%**, and improving storage efficiency by partitioning.
- Developed advanced **SQL** solutions on **Redshift** and **Postgres**, improving data generation for reporting teams.
- Led the modernization of reporting systems by transitioning from **Microsoft SSRS** to **Tableau** dashboards, resulting in a **70%** increase in report utilization.
- Automated **Tableau** dashboard refresh, optimizing transaction time by **50%**, and eliminating manual intervention.
- Reduced operational time of smaller jobs by **25%** by designing and scheduling workflows in **Alteryx**.
- Automated daily reports in **Adobe Analytics** and **Google Analytics**, resulting in a **12%** daily time savings.
- Collaborated with cross-functional teams to identify reporting needs and provided data-driven recommendations, leading to more informed decision-making and strategic planning.

Data Engineer

July 2018 – September 2020

L&T Technology Services Ltd.

Vadodara, India

- Performed transformations on large unstructured data and handled complex **SQL** queries to extract data from **Amazon Redshift** for further reporting process, improving end to end operation time by **25%**.
- Collaborated with stakeholders for gathering and interpreting data, to deliver solutions aligned with business goals.

ACHIEVEMENTS

Sun Award for Innovation - ASU (Oct 2024): Recognized for designing and implementing an efficient data pipeline enabling optimized reporting for academic and administration teams, resulting in a **40%** improved processing time.