TAIWO OWOSENI

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Canada | Language: English (Native) | Work Authorization: Post Graduate Work Permit

Professional Highlights

- 3 years of experience as a skilled data specialist in the health pharmacy sector and telecoms
- Troubleshoot and maintained reporting **ETL/ELT data pipelines, structures** and **cleaning** to drive business decision
- Reviewing **business processes, translate business requirements** into actionable insights and report creation
- High-level expertises in managing and querying **big data** from large-scale cloud **database warehouses**
- Experienced in working with **text, quantitative** and **qualitative** data to build **predictive machine learning models**
- Proficiency in creating compelling **data visualizations** using **SSRS, SSIS**, **Tableau, PowerBI, R and Python Libraries**
- Skilled in **communicating** complex **data insights** through verbal, **written presentations** and **research writing**

Skills

Python (Pandas, Numpy)	R	SSRS	Power BI
Excel	Git (GitHub)	SQL Database	MongoDB
Scikit-learn	Docker	Microsoft Office 365	JIRA
Kafka	Tableau	AWS (S3, Glue, EC2)	CSS & HTML
Plotly Dash	Pytorch	SSIS	Flask

Educational History

Master of Data Science University of British Columbia, Vancouver, BC, Canada   Sep '21 – Jun '22
    Award: UBC - MasterCard Foundation Scholar

Bachelor of Technology , Computer Science Federal University of Technology Akure   Jan '13 – Oct '18
    Award: Abdul-Kabir Aliu Foundation Scholar

Relevant Professional History

Data Specialist   Sep '22 – Present
Independent Contractor   *Vancouver, Canada*

- Built interactive reporting web app with Plotly's Dash to model performance via user-defined metrics
- Created and modified ETLs based on AWS Glue. Created a serverless ETL based on Amazon SQS and Lambda
- Designed a database model used by the ORM (SQLAlchemy), which underpinned robust RESTful API
- Trained and evaluated various models for classifying text data using GloVe word representations, and XGBoost
- Developed scheduled ETLs based on Python and Spark that collected data from multiple APIs and loaded the data to AWS S3 and PostgreSQL databases.

Graduate Teaching Assistant   Feb '22 – Apr '22
University of British Columbia   *Vancouver, Canada*

- Developed curriculum to teach **advanced SQL** to computer science students on concepts like window functions
- Supervised students' semester projects, and provided meaningful feedback after grading assignments
- Administered examination to over **30 students**, to enforce all University exam policies

Open source Software Engineer   May '21 – Sep '21
Sktime   *London, United Kingdom*

- Wrote **integration and unit tests** to improve **code coverage**, ensuring code base was resilient to failure
- Improved package deployment time, by **refactoring** code and eliminate redundancy in codebase
- Participated in **code review** to ensure **high-quality code** and processes
- Enhanced **code documentation**, leading to easier onboarding of new contributors
- Managed the annual Dev Week, and gave a presentation of new features added to the library

Business Intelligence Analyst   Sep '20 – May '21
Airtel Telecommunications

- **Automated** fraud detection with **Python**, verified millions of customer profiles in **Oracle DB**, reducing **fraud by 15%**

- Improved customer retention by analyzing churn patterns via l**ogistic regression in R**, optimizing retention strategies

- Created **PowerBI dashboard**, visualized customer personas by integrating **data in Snowflake** via **ODBC driver**

- Consulted for marketing team: formulated r**esearch questions**, **analyzed data**, and designed **data dashboards** for a telecommunication plan targeted at Gen Z. Resulted in **20K monthly users**

- Uploaded **data dictionaries** on SharePoint, **improved data warehouse** navigation and increased team productivity

Data Analyst   Jan '19 – Sep '20
OneHealth Pharmacy

- **Optimized sales by 20%** though customer segmentation, and proposed program for loyal customers to stakeholders

- Imported and processed customer behaviour data from **Google Analytics for A/B testing,** to analyze customer's interaction with versions of the OneHealth website, **informing sales and marketing strategies**

- **Collaborated** closely with technical and non-technical stakeholders to execute **new pricing strategies** based on the **insights** obtained from the **data analysis**

- Increased revenue by creating an ETL pipeline that mined, scraped, processed and analyzed competitors' product data and collaborated with technical and non-technical stakeholders to implement new pricing strategies

- Created a **machine learning** model in Python to **forecast** pharmacy sales, leading to **efficient inventory management** to meet customers' demand and sales of products before their shelf life

- Presented **findings, reports** and recommendations to pharmacy management and other stakeholders, using **Tableau and Excel** to communicate complex information clearly and concisely through dashboards

- Supervised and trained sales pharmacists in data entry and data visualization with **Tableau dashboards**, to ensure that they understood and made use of **data analytics tools** and practiced **quality data entry**

- Ensured that **all data analysis activities** adhered to **data ethical** principles and that sensitive customer data were handled securely and kept confidential

Certification

AWS Certified Machine Learning - Specialty

AWS Certified Developer - Associate

AWS Cloud Practitioner - Foundational