Olayinka Akerekan

PhD Program, Applied AI

Lagos, Nigeria | +2348100135377

olayinkagaiusakerekan@gmail.com | LinkedIn | GitHub

Objective

I am deeply passionate about securing a role that will allow me to leverage my background as an associate in a data-driven life science company. My goal is to execute diverse projects focused on understanding the impact of poverty and healthcare on life expectancy. My bachelor's degree in pharmacy provides a solid drug production and discovery foundation, and my self-taught expertise in machine learning and artificial intelligence enhances my contribution to impactful projects. Driven by a keen interest in ageing and longevity, I aim to apply my organisational skills, time management, and attention to detail to advance research on the interplay between socioeconomic factors and life expectancy, ultimately contributing to meaningful innovations in the field.

Education

University of Ibadan, Ibadan, NG

Bachelor of Pharmacy, June 2019.

Degree Class: Second Class Upper.

Professional Experience

Associate, Analytics and Insight – *PBR Lifesciences (Jan 2024 - date.)*.

- At PBR Lifesciences, I made a significant impact by enhancing the quality of data insights shared with clients, leading to a remarkable 50% improvement in the NPS score within six months.
- At PBR Lifesciences, I undertook a project to classify all facilities, Achieving a 100% success rate and implementing permanent unique identifiers. This initiative effectively eliminated duplicate facilities, demonstrating my proficiency in Python programming.
- At PBR Lifesciences, I Played a crucial role in developing a Standard Operating Procedure (SOP) for data audit, cleaning, and upload. This initiative significantly reduced the time required by 25% and minimised errors, showcasing my ability to streamline processes and improve efficiency.

Intern Data Scientist – *Hamoye Inc (Jan – June 2023)*.

Worked on various projects, of which two stood out:

- I predicted the Maternal Health Risk of Pregnant Women using physiological parameters such as blood glucose level, blood pressure, and age to determine the risk level. Built and hosted an ML app. The app was hosted on streamlit.io
- Remittance Patterns and Economic Development: This Project predicts economic outcomes based on remittances received from diaspora countries.

Skills

Programming: SQL, BigQuery, Python, Version Control (Git), Command Line Interface(CLI)

Cloud: AWS, GCP

ML/AI: Scikit-Learn, TensorFlow, PyTorch

Data Engineering: MongoDB, Docker, Airflow, PostgreSQL, dbt

Data Visualization: Advanced Excel, Power BI, Tableau, Matplotlib, Seaborn, PowerPoint.

Data Mining: Selenium, Requests, BeautifulSoup

Soft Skills: Organizational skills, Time management, Attention to detail.

Projects

Maternal Health Risk of Pregnant Women – April 2023

A predictive model of women's health risks in pregnancy was built using the sci-kit learn library. The model intends to classify pregnancy-associated risks based on physiological parameters. The parameters used include blood pressure, Heart Rate, Blood Sugar, and Number of Pregnancies. A predictive machine learning app was built on the model; this can be used to predict risk at any time. Project Link

Exploratory Data Analysis and Machine Learning of Automobile Dataset – Jan 2023

I performed data wrangling on a dataset containing approximately 200 rows from kaggle.com. The dataset was cleaned using pandas. Exploratory data analysis was done using Matplotlib and Seaborn libraries. Model Prediction was carried out using the Scikit-learn library. I predicted the price using Linear regression and Random Forest to obtain an accuracy of 95%.

   - Tools used: Python (Pandas, Numpy, Seaborn, Matplotlib, Sklearn libraries)

Project Link

Certificates

10Alytics Data Analyst Track, Jan 2022 – Feb 2022.

Core content: Data wrangling with Microsoft Excel, Data Visualization with Power BI, Exploratory Data Analysis, Problem-solving Techniques, and Data Analysis with PostgreSQL.

Certified Google Data Analytics Professional, Jan 2022 – May 2022.

Courses: Ask Questions to Make Data-Driven Decisions, Prepare Data for Exploration, Process Data from Dirty to Clean, Analyze Data to Answer Questions, and Share Data Through the Art of Visualization and Data Analysis with R Programming.

The Complete SQL Bootcamp: Go from Zero to Hero

PostgreSQL, In and Out.

Languages

English, Yoruba

Awards

Runners-up, 10Alytics Data Hackathon

In the 2023 edition of the 10Alytics Data Hackathon, I came third among hundreds of other candidates. In this Hackathon, we analysed Poverty, Life expectancy, and GDP Data in Africa, drew meaningful insight, and made recommendations. I got 83% of the score attainable and was in the 98 percentile of the competition.