OMOLAYO IPINSANMI

AI ENGINEER| DATA SCIENTIST

ipinsanmiomolayo@gmail.com | LinkedIn | Portfolio

PROFESSIONAL SUMMARY

Diligent professional with 5+ years of experience and proven knowledge of data communications, analysis, database, data modeling, AI development and consulting, programming, dashboard + KPI visualizations design, and performance metrics. I am proficient in the use of data science tools for training, and deploying ML/DL/AI models. I aim to leverage my skills to solve real-life problems and build technological tools.

CORE TECH TOOLS

- BI Tools: Tableau, Power BI, MS Excel
- Programming language: SQL, Python, DAX, Visual Basics
- ETL and Data Warehousing Tools: Snowflake, Apache spark
- Machine learning models training, development and maintenance.
- Backend deployment with django, docker, streamlit.
- Big Data Tools: BigQuerry, Spark, Data Lake
- Databases: Microsoft SQL Server, Postgress SQL, MongoDB
- Deep learning with Tensorflow, Pytorch, OpenCV.
- HRIS software: Ceridian Dayforce and ZOHO people
- Statistical analysis with IBM SPSS
- Data Management tools: FAIS, OpenAI embedding store, Qdrant Serach, DHIS, MySQL, AWS
- AI modeling with RAG, Unsloth, HuginFace Models
- Geo Analysis: ARC GIS, QGIS, Geopython
- MLOps techniques (API deployment)
- AWS Cloud, Cloud deployment, Microservices, Docker
- Versioning with Git, HuggingFace
- Data collection tools: ODK, Kobo Collect, Google forms.
- Microsoft Office Suite (Skype, O365, Microsoft office 2013, 2016, SharePoint, OneDrive, Google).
- Project Management with Slack, Trello.

SOFT SKILLS

- Excellent Customer Service
- Project Management
- Detailed Oriented
- IT Service management
- Excellent Communication both Oral & written

- Time Management
- Analytical thinking
- Troubleshooting
- Security Policies
- Incident Management

- Teamwork
- Critical thinking
- Problem-solving
- Curiosity
- Business Analytics
- Adaptability

PROFESSIONAL EXPERIENCE

AI Engineer   July 2024 – Till Date
Tanta Innovative; Nigeria
RESPONSIBILITIES
- Data gathering and data cleaning for AI projects
- Building AI agents for various sue cases
- Building AI models for object recognition and text generation
- Collaborating with teams of UI/UX designers, devops, backend, cybersecurity, mobile developers and others to build innovative tech solutions with complex AI features.
- Fine-tunning base models and proprietary models
- Deploying AI solutions with Django as Microservice or integrating into backend

Data Scientist   April 2022 – Till Date
EXPLORE AI; South Africa (Remote)
RESPONSIBILITIES
- Performed data cleaning necessary for predictive models by assessing information of over 10000 users across various clients' database in different industries such as power, technology and telecommunication.

- Trained and deployed 10+ ML and DL models for predictive analysis, churn prediction, price simulations and forecast.
- Created explanatory models of use cases for presentation to 20+ project stakeholders and 40+ non-technical audiences.
- Collaborated with 8+ data analysts, data scientists, environmental scientists, UI/UX designers and project managers on several concurrent projects in Q2, Q3 and Q4 2023.
- Carried out data manipulation on over 300 entries of client's competitors data using statistical methodologies to reveal hidden insights.

Technology/ skills applied
- Carried out data cleaning, manipulations and feature engineering using python.
- Managed data life cycle from extraction to storage and analysis using nginx, data lake, snowflake and MS SQL server.
- Deployed machine learning algorithm in docker, Streamlit and flask.
- Using Tensorflow and keras for deep learning feature extraction from images, music and text files.
- Power BI, Tableau, Seaborn for data visualization

Data Analyst   March 2018 – April 2022
SAGIF Ventures Nigeria Limited (Safety and Security Solutions, Environmental Research and Policy Innovations)
RESPONSIBILITIES
- Created dashboards using Power BI and Tableau to display 30+ KPIs related to distinctive areas of interest within operations
- Designed research instrument for environmental policy research in Niger Delta Region of Nigeria.
- Extracting actionable insights from safety and security data obtained from client's organizations to enhance risk mitigation strategies resulting in a 25% improvement in preemptive safety measures.
- Applied advanced statistical methods to interpret environmental research findings, contributing to the development of innovative policy solutions.
- Developed and maintained comprehensive databases, ensuring accuracy and accessibility for informed decision-making in safety and security operations.

Technology/ skills applied
- Carried out data cleaning, data manipulation, data mining, and other functionalities using python.
- Carried out data analytics in python using libraries such as numpy, pandas, seaborn, os, shutil, and geopandas.
- Data visualization with Power BI, Pivot charts, Tableau and python libraries.
- Extracted data from databases using SQL and implementing codes with a combination of python and SQL for data analytics.

Research Assistant   SEPTEMBER 2017 -NOVEMBER 2019
Nasarawa State University Keffi (Nasarawa State Nigeria)
RESPONSIBILITIES
- Engaged in end-to-end data collection processes using qualitative and quantitative methods for 10+ research projects.
- Analyzed quantitative data with a 7-man research team and presented results through 3 written publications and 4+ oral presentations.
- Collaborated with principal investigators to design and plan research projects, ensuring alignment with academic objectives and ethical standards.
- Conducted literature reviews and gathered relevant data to support research inquiries, contributing to the development of comprehensive research frameworks.

Technology/ skills applied
- Carried out data analytics with MS Excel, created pivot tables, manipulated data and extract insight with Excel functions
- Carried out data entry in IBM SPSS, developed coding methods for data, built relationship between data features/
- Carried out statistical analysis with SPSS by implementing regression, correlation, data quality check and other functions

EDUCATION

BSc. Microbiology   2016
Obafemi Awolowo University Ile-Ife Nigeria

MSc. Computer Science   2024
Imo State University, Nigeria

─────────────────────── TRAINING ───────────────────────

Data Science and Machine Learning- Explore AI	2023
Data Analyst Nanodegree- ALX via Udacity	2023
AWS- Cloud Basics (AWS Cloud Practitioner)	2023
Data Science- IBM Big Data University (Via Coursera)	2021
Google Cloud Skill Boost- The Google Cloud Course	2021
Udemy Courses - Business Analytics	2020
Health Safety and Environment Level I-III	2018
Human Resource Management (HRM) Course	2018
Project Management	2019