AYO O AGBEJA

England, UK

[Mail](#) [LinkedIn](#) [Github](#) [Portfolio](#)

PROFESSIONAL SUMMARY

Innovative AI Engineer & Data Scientist with deep expertise in large language models, generative AI and python-based machine learning solutions. Skilled in implementing machine learning frameworks and integrating front-end web development to deliver intuitive user experiences. Proficient in leveraging cloud- based AI services to build data-driven applications that drive measurable outcomes. Passionate about collaborating with cross-functional teams to translate complex data into actionable insights and drive innovation at scale.

EDUCATION

MSc Data Science & Artificial Intelligence, *Distinction*   Jan 2023 - May 2024

BEng Computer Engineering, *Second-Class Upper Division*   Sept 2015 - Oct 2020

EXPERIENCE

AI Associate | Livingbridge London, UK   Jan 2025 – Present

- Implemented, fine-tuned and deployed LLM-powered AI solutions using Hugging Face, Vector Databases, and Azure AI, enhancing business intelligence and automation.
- Built and maintained scalable MLOps workflows by integrating MLflow, CI/CD pipelines and cloud-based tools for robust model deployment and monitoring.
- Automated data pipelines and implemented ML monitoring frameworks using ML flow and cloud-based tools.
- Implemented production-ready Python codebases, adhering to best practices in unit testing, version control (Git), and CI/CD for scalable AI solutions.
- Engineered efficient data pipelines for large-scale LLM applications, automating CRM tracking and improving operational efficiency by streamlining data management.

Data Analyst | Welkom-U   May 2023 – Present

- Optimised database solutions using normalisation techniques and stored procedures, reducing data retrieval times by 40% and improving product performance.
- Developed efficient SQL queries and PySpark transformations, cutting data processing time by 40% for large-scale datasets.
- Designed A/B testing frameworks to assess marketing strategies, leading to a 12% increase in customer acquisition.
- Collaborated with stakeholders, translating business objectives into actionable data-driven solutions.

Data Scientist | Gatefield   May 2022 – Feb 2023

- Leveraged AI and NLP techniques for sentiment analysis to analyse customer feedback, enabling personalised marketing campaigns that improved engagement and boosted conversion rates.
- Optimised SQL queries and PySpark data transformations, reducing data processing time by 40% for large-scale marketing datasets.
- Developed and deployed forecasting models using machine learning algorithms to analyse, measure, and predict marketing campaign performance, enabling data-driven decision-making and budget optimisation.

- Developed predictive models for customer segmentation and churn analysis, leading to data-driven campaign strategies and increased retention.

Data Scientist | Zoomba Digital Limited   Sept 2020 – April 2022

- Designed and optimised scalable database solutions using cloud-based architectures, normalisation techniques, and stored procedures, reducing data retrieval times by 40% and improving system performance.
- Developed and automated ETL pipelines on cloud platforms ensuring efficient data processing, transformation, and integrity for large-scale enterprise data.
- Deployed and monitored data pipelines using cloud-based orchestration tools for scalability and reliability.
- Collaborated with cross-functional teams, translating business requirements into efficient, cloud data-driven solutions.
- Implemented machine learning models for anomaly detection and predictive maintenance, enhancing operational efficiency.

Data & IT Consultant | KPMG Advisory   May 2021 – April 2022

- Leveraged data gathered through independent research and interviews to optimise the data system, enhancing service knowledge.
- Conducted independent research and interviews increasing service knowledge and improving understanding of business services and client requirements
- Facilitated IT system migrations for clients, ensuring smooth transitions to modern platforms with minimal downtime and improved functionality for compliance monitoring and data analytics.
- Implemented data governance frameworks to ensure data quality, consistency and compliance with industry regulations, reducing errors and improving data accuracy by 15%.

BI Analyst | Global Accelerex   Jan 2020 – Sept 2020

- Designed and maintained interactive dashboards and reports using Power BI and Tableau to monitor financial performance and revenue trends.
- Worked with SQL databases to extract and manipulate large volumes of payment data for in-depth analysis, optimising query performance to reduce report generation time by 25%.
- Developed SQL-based financial models to analyse compensation ratios and cost allocations.
- Collaborated with stakeholders to deliver financial insights, enabling efficient reporting of P&L performance.
- Conducted variance analysis comparing actuals vs budget, supporting accurate forecasting and decision-making.

SKILLS

Programming & Tools: Python, R, SQL, Javascript, HTML, CSS, MongoDB, Tensorflow, PyTorch, LangChain, Hugging Transformers, Google BigQuery, Docker, Git, Pyspark, Node, Postman, Azure AI Services.

Key Strengths: Collaboration, Leadership, Problem-Solving, Performance Optimisation

CERTIFICATIONS & AWARDS

Microsoft Azure DP 100   Feb 2023 - Feb 2024

McKinsey Forward Program   Jan 2023

Open Bright Scholarship For Women in Computing   Jan 2024