Ayo Kadri

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Professional Summary

Machine Learning Engineer & AI Engineer with experience building production-grade AI systems across healthcare, fintech, education, and mobility sectors. Specialized in Computer Vision, MLOps, Deep Learning, and cloud-native AI infrastructure using Azure ML, GCP, and AWS. Experienced in deploying scalable machine learning pipelines, fine-tuning object detection models, integrating LLM-powered applications, and building real-time AI services using Python, Docker, TensorFlow, Scikit-learn, and LangChain. Strong background in AI infrastructure, data engineering, and cross-functional product delivery.

Skills

AI & ML: Supervised & Unsupervised Learning, Computer Vision, Natural Language Processing (NLP), Deep Learning, Neural Networks, Reinforcement Learning, Generative AI, LLM Pipelines, LangChain, Hugging Face, TensorFlow, PyTorch, Scikit-learn, XGBoost, YOLO, OpenCV, Model Monitoring.

Programming Languages: Python, SQL.

MLOps & DevOps: MLflow, GitHub Actions, Docker, CI/CD, Containerization.

Cloud & Infrastructure: AWS SageMaker, Azure ML, Vertex AI.

Data Engineering & Workflow Orchestration: Apache Spark, Databricks, PostgreSQL, Apache Airflow, ETL Pipelines.

Software Engineering & Collaboration: REST APIs, Agile Delivery, Cross-Functional Collaboration.

Work Experience

AIML Engineer
Eyoto Group Ltd
September 2025 – Present

- Designed and integrated AI-driven solutions into existing healthcare software infrastructure, improving operational efficiency and scalability.
- Built and deployed computer vision pipelines for real-time iris and pupil tracking using YOLO, TensorFlow, and OpenCV-based deep learning workflows.
- Fine-tuned object detection models on annotated medical imaging datasets, improving detection accuracy and reducing inference latency.
- Developed automated image annotation and labeling workflows using CVAT, reducing manual labeling effort by approximately 70%.
- Engineered scalable training and data pipelines for processing and versioning over 10,000+ annotated healthcare images.
- Managed end-to-end MLOps workflows on Azure ML using Docker-based deployments, enabling reproducible model training and faster production releases.

Machine Learning Engineer
Your Study Path Limited
Jun 2024 – July 2025

- Designed and deployed production-grade LLM pipelines using LangChain and Hugging Face, enhancing chatbot performance by 40%.
- Fine-tuned state-of-the-art models for student engagement prediction, increasing retention by 22%.
- Managed MLOps pipelines using Docker and GitHub Actions on Vertex AI, achieving 60% reduction in deployment time.
- Built RESTful APIs and integrated models into cloud-based systems for real-time decision support.

Software Developer
Ascalon Integrated
May 2021 – Feb 2024

- Built and optimised a high-performance car-sharing platform for real-time bookings, managing 500+ vehicles, and enhancing platform scalability and performance.
- Developed a real-time analytics engine capable of processing 10M+ daily data points, leveraging Apache Spark and DevOps practices to ensure scalability and reliability.

Software Engineer
StreetRates Limited
Jan 2020 – Feb 2021

- Created RESTful APIs integrating Google Maps for real-time country-based FX rate visualisation.
- Improved system reliability by implementing CI/CD pipelines using Docker, resulting in 99.9% uptime.

Projects

Real-Time Fraud Detection System (Live link): Deployed a fraud classification model achieving 92% accuracy; reduced false positives by 25% through model tuning and feature engineering.
Customer Churn Prediction App (Live link): Developed with Gradio and Hugging Face Spaces, enabling real-time predictions with continuous model monitoring via CI/CD.
Credit Risk Assessment Model (Live link): Built an explainable credit risk model using SHAP, deployed to Hugging Face Spaces with a feature store and an intuitive UI for end users.

Certifications

Google Cloud: Professional Machine Learning Engineer, Data Analytics, Generative AI, Responsible AI

Education

MSc in Artificial Intelligence - University of Wolverhampton, Aug 2024.