JEPHTHAH ABISOLA

AI and Data Enthusiast
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SUMMARY

AI Specialist with expertise in Data Science and Software Engineering. Skilled in building scalable AI solutions, optimizing model performance, and deploying robust architectures. Proven track record of improving efficiency, reducing errors, and driving impact in fast-paced, innovative environments.

TECHNICAL SKILLS

- **Proficient**:
  - *Python (ML and Data analysis)* - LLMs, Langchain, TensorFlow, Keras, PyTorch, SciPy, pandas, scikit-learn;
  - *SQL* - MySQL, PostgreSQL;
  - *Web & Big Data - Selenium, Flask, Apache Spark, Hadoop*;
  - *Cloud* - Azure, AWS;
  - Others - *R, Embedded C*, *ROS*, *MATLAB, Github, Docker*;
- **Familiar:** HTML/CSS, JavaScript, Django, *GCP*

PROFESSIONAL EXPERIENCE

Data Scientist *Oct 2023 –Mar 2025*
Scale AI, San Francisco, CA

- Designing and implementing scalable data pipelines, integrating 100+ new datasets monthly using Python, significantly enhancing data quality and streamlining several Generative AI model's training workflows.
- Collaborating with AI researchers on RLHF, prompt engineering, and iterative model fine-tuning, leading to a 20% improvement in model accuracy and increased user engagement metrics across multiple platforms.
- Aligning AI-driven solutions with business objectives, working cross-functionally with stakeholders to ensure research translates into actionable, high-impact applications.
- Used Knowledge of Python for ML and Data, SQL, and Big Data

AI Software Engineer *Dec 2022 – Sept 2023*
Turing (Open AI), San Francisco, CA

- Collaborated with OpenAI's R&D team to enhance ChatGPT's NLP capabilities, fine-tuning algorithms for improved response ranking and contextual understanding, achieving a 10% boost in conversational accuracy.
- Managed ChatGPT's AI development life cycle, including data ingestion, model training, and comprehensive testing phases, reducing bug rates by 17% and ensuring compliance with quality and security standards.
- Reduced system latency in deployed AI models in the production environment with robust CI/CD pipelines and containerised solutions.
- Implemented modular AI software architecture, enabling efficient model versioning and rollback processes.
- Used Knowledge of Python for ML and Data, cloud computing, SQL and full-stack development.

Machine Learning Engineer *Sept 2021 – Sept 2022*
Robotics and Artificial Intelligence Nigeria, Ibadan, NG

- Developed and implemented autonomous system solutions for unmanned aerial vehicles (UAVs), leveraging expertise in control systems, computer vision, and machine learning to enhance UAV functionality and performance.
- Developed a custom vision model to optimise crop management by accurately identifying growth stages and weeds, significantly reducing manual inspection time.
- Designed and implemented CNN-based models for a malaria cell classifier and a clothing classifier for retail inventory management, improving diagnostic accuracy and inventory efficiency.
- Implemented a facial recognition system for secure employee identification, increasing onsite security compliance.
- Used knowledge of Control theory, Electronics, ROS, Python for ML, SQL, and OpenCV.

EDUCATION

Master of Science (M.Sc), Robotics and Autonomous Systems (Distinction) *Nov 2023*
University of Lincoln, England

Bachelor of Technology (B.Tech), Physics (2:1) *June 2021*
Federal University of Technology Akure, Nigeria

PROJECTS

- **Resume Parser & Job recommender:** *NLP (BERT) based project for ranking jobs based on resume*
- **Chatbot for logging customer complaints:** *LLM-based project to log requests to the right database and handler*
- **Malaria cell Classifier**: *ML Image manipulation and analysis to classify an infectious and non-infectious cell with 95% precision.*
- **Delivery Drone**: *Computer vision, obstacle detection and hardware/sensor integration with a 90% success rate.*