

# Jeffrey Oduro Asante

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✂ jeffasante 🔗 https://jeffasante.github.io/

## 👤 Profile

Experienced data scientist and software engineer with a strong background in machine learning. Passionate about innovation and skilled at turning ideas into reality.

## 📁 Professional Experience

### Zinary

01/2024 -

*Artificial Intelligence Developer*

05/2024

- Developed biometric system using OCR and computer vision Abuja, Nigeria
- Engineered for multi-country compatibility
- Enhanced facial recognition with additional checks, improving prediction accuracy by 80%
- Integrated OCR and facial recognition for identity verification

### Mobobi

06/2023

*Artificial Intelligence Engineer*

Accra, Ghana

- Engineered voice data processing system and also created voice dataset generation tool
- Upgraded AI systems for better performance and practices, improving model performance by 25% and reducing processing time by 40%
- Deployed ML models on-device for fast, concurrent execution

### Mr Kevin Boadi

12/2021 -

*Data science Consultant, (Freelance)*

07/2023

- Created data-gathering systems and reports
- Compiled, cleaned, and visualized data
- Applied statistics to gain insights and validate models, enhancing prediction accuracy by 80%

Bristol, UK

## Education

**Bachelor of Science in Information Technology  
Management**

Accra, Ghana

*University of Professional Studies*

## Skills

**Artificial Intelligence** – Natural Language Processing, Computer Vision, Reinforcement Learning, Signal Processing, Machine learning, Deep learning, Data Science

**Python** – Scipy, Sci-kit learn, PyTorch, Keras, Pandas, NumPy, Matplotlib

**Javascript, C, Dart, GO, Rust**

**Databases (SQL, MongoDB), Data Structures & Algorithms**

**Cloud Computing (AWS, GCP)**

## Projects

### **Playing Chrome Dino with Deep Reinforcement Learning**

- Developed DRL agent for Chrome Dino game using OpenAI Gym
- Achieved superhuman performance with DQN algorithm

### **Sound ID**

Sound-ID is an on-device audio classification project using YAMNet, a deep neural network, within mobile apps. The model is optimized for real-time performance and cross-platform compatibility.

### **Authorship Attribution**

- Implemented Stylometry Analysis for anonymous tweet authorship
- Analyzed linguistic patterns to identify likely authors

### **Nostalgia Movie Recommendation System**

- Built "Nostalgia", a movie recommendation system using collaborative filtering
- Personalized recommendations based on user search data