EZECHIEL KOKOU AGBAN

+228 91 35 59 86 — ezechielagban1@gmail.com — ezechiel.bigz.dev — Lomé, Togo

Education

Bachelor of Science in Software Engineering — Dec 2024

Université de Lomé – École Polytechnique de Lomé

Relevant Coursework: Data Structures & Algorithms, Probability & Statistics, Database Systems, Calculus, Software Design, Operating Systems

Experience

Data Analyst / Scientist, Togo Data Lab — Dec 2024 – Present

- Built GIS and remote sensing solutions, including a forest monitoring system leveraging satellite imagery and machine learning.
- Trained government staff and students in Python and ML, strengthening national data science capacity.
- Completed advanced training in MOSAIKS (satellite imagery ML framework) through Togo Data Lab, a strategic initiative with the Ministry of Digital Economy and UC Berkeley's CEGA.

Volunteer Content Tester, DeepLearning.AI — Apr 2025 – Present

- Tested new AI and machine learning course materials, ensuring technical accuracy and clarity.
- Provided detailed feedback on content structure and examples, contributing to improved learning outcomes.
- Collaborated with global community to validate updates and support continuous education quality.

AWS AI/ML Scholar — Jun 2024 – Sep 2025

Selected for the AWS AI/ML Scholarship program, which enabled intensive study of AI and machine learning nanodegrees on Udacity, including: *AI Programming with Python*, *Foundation of Generative AI* and *AWS Machine Learning Fundamentals*.

- Completed hands-on projects and exercises covering Python programming, data analysis, machine learning algorithms, and AWS AI/ML services.
- Gained practical experience deploying ML models using AWS tools and frameworks.
- Strengthened foundational skills in AI/ML through structured online coursework and mentorship.

Software Engineer, Mitsio Motu — Jul 2024 – Nov 2024

- Developed core backend modules using secure authentication and role-based access control for a national startup support portal.
- Implemented features for funding applications, resource management, and notifications, enhancing user engagement.
- Worked closely with UI/UX designers to improve frontend responsiveness and user experience, increasing platform usability.
- Participated in agile sprint planning, code reviews, and continuous integration to ensure high-quality deliverables.

Skills

- Programming: Python, JavaScript, Java, C++
- Frameworks & Libraries: React.js, Next.js, Django, TensorFlow, PyTorch
- Data Science & GIS: scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Google Earth Engine, AWS Sagemaker, QGIS

Certifications & Awards

2nd place, Togo Fiber Optics Uptake Prediction National Challenge — Jun 2024

Designed and optimized gradient boosting models in Python to analyze and predict fiber optics deployment, demonstrating strong data science skills on structured datasets.

AWS Machine Learning Fundamentals – Udacity (Sep 2025)

AI Programming with Python – Udacity (Sep 2024)

Machine Learning Specialization – Coursera (Deeplearning.AI & Stanford Online) (Jul 2024)

Additional Information

Languages: English (fluent), French (native)

Interests: Artificial Intelligence, Robotics, Chess, Drawing, Rubik's cube