

# Joseph Azumbil Agere

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## Education

University for Development Studies – BSc in Computer Science

*Relevant Coursework:* Data Structures & Algorithms, AI, Software Engineering, Cloud Computing

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## Professional Summary

AI/ML Engineer and Fullstack Developer with expertise in **AI-powered solutions, automation, and cloud computing**. Strong background in **LLM fine-tuning, RAG systems, scalable AI systems, and back-end development**. Proficient in **Python, FastAPI, AWS, Terraform, TensorFlow, and PyTorch**. Passionate about **AI-driven automation, cloud deployment, and optimizing data pipelines**.

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## Skills & Technologies

- **Programming:** Python, JavaScript, PHP, C++
  - **Frameworks & Tools:** FastAPI, Django, Flask, TensorFlow, PyTorch, Docker, Terraform
  - **Databases:** MongoDB, PostgreSQL, MySQL
  - **Cloud & DevOps:** AWS, CI/CD, Git, GraphQL APIs, Serverless Architectures
  - **Specialties:** AI Model Deployment, Web & Backend Development, Cloud Automation, Data Engineering, API Development
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## Experience

AI/ML Engineer – 4th-IR, Ghana

May 2024 – Present

- Developed **AI-driven applications** leveraging **LLMs, RAG systems, and NLP models**.
- Optimized **machine learning pipelines** and **automated cloud infrastructure** using **Terraform and AWS**.
- Worked on **AI-driven automation tools** for **enterprise clients in healthcare and finance**.

Fullstack Developer – Afrotechnologies

Jun 2023 – Dec 2024

- Developed **AI-powered EdTech applications**, improving **student engagement and adaptive learning**.
- Built **scalable learning management systems (LMS)**, integrating **AI-driven analytics** for **personalized education**.
- Created **secure RESTful and GraphQL APIs** to handle **student data, assessments, and interactive learning experiences**.

AI/ML Engineer (Contract)

Nov 2023 – Jun 2024

- Led **LLM fine-tuning and AI automation projects**, optimizing **natural language processing models**.
  - Built and deployed **data pipelines for AI applications**, enhancing **data processing efficiency**.
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## References

Available upon request.