

CHUMA ACHIKE

Software/ML Engineer, AWS (SSA-CO3)

PROFESSIONAL SUMMARY

Results-driven Software and Machine Learning Engineer with extensive expertise in developing scalable applications and cutting-edge AI solutions. Proficient in Python, JavaScript, Java, and C/C++, with a deep focus on neural networks and deep learning frameworks such as TensorFlow and PyTorch. Experienced in leveraging cloud technologies, particularly AWS, to optimize real-time data processing, predictive analytics, and deployment of robust machine learning models. Passionate about driving innovation and delivering high-performance, scalable solutions to complex problems.

EDUCATION

REMOTE FULL STACK WEB DEVELOPMENT PROGRAM

Feb 2022 - 2023

MICROVERSE

- Spent 1500+ hours mastering algorithms, data structures, and full-stack development while developing projects with Ruby, Rails, JavaScript, React, and Redux.
- Developed new skills in remote pair programming using GitHub, industry-standard git-flow, and daily standups to communicate and collaborate with international remote developers.

MASTER'S IN ARTIFICIAL INTELLIGENCE

Jan 2023 – Oct 2024

UNIVERSITY OF STIRLING

Scotland

- Developed real-time predictive models for market trend analysis using machine learning, reducing decision-making latency by 20%, with direct application in energy trading and other time-sensitive sectors.
- Designed an efficient face recognition model with fewer than 1 million parameters, achieving 85% accuracy on the Labeled Faces in the Wild (LFW) dataset, optimizing model performance while minimizing resource usage.

SKILLS

Java, Python, JavaScript, React, Redux, Spring Boot, AWS, PostgreSQL, SQL, RESTful APIs, Docker, Git, HTML5, CSS3, Node.js, TypeScript, Cloud Computing, Machine Learning, Deep Learning, PyTorch, TensorFlow, Agile Methodology, JUnit, Test-Driven Development (TDD), GitHub, CI/CD, Jenkins, Microservices, Kubernetes, Swift, Kotlin, Scala, Cloud Architecture, UI/UX Design, GitLab, MVC, Docker, TensorFlow Lite, API Development, Mobile Development

PERSONAL PROJECTS

HOTEL RESERVATION APPLICATION

This is a hotel reservation application for pets where one can check the availability and book a reservation for their pet while unavailable to tend to the pet. Built with Ruby on Rails, Devise (Ruby on Rails authentication), React. [Link](#)

CHU-BAY

Developed a full-stack e-commerce application using Spring Boot (Java) for backend services and React with Redux for frontend state management, implementing secure user authentication (JWT), RESTful APIs, and optimizing data handling for a seamless shopping experience. [Link](#)
