CALVIN SSENDAWULA

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PROFESSIONAL PROFILE

Software Engineer with experience building AI-powered applications and LLM-based systems, leveraging transformer models, generative AI, and scalable ML infrastructure to deliver intelligent conversational experiences. Passionate about democratizing access to AI knowledge through performant, reliable systems that connect users with diverse language models and grow the world's collective understanding.

Expertise and Accomplishments include:

- Completed an SDE internship at Amazon, using AWS Lambda and DynamoDB for efficient data processing and storage, sharpening skills in dependency injection, cloud services, and automated testing.
- Wrote clean, maintainable code meeting test coverage thresholds, used Git for version control, and executed unit tests to ensure reliability and minimize future production-level bugs during internship project deployment.
- Improved scalability and efficiency by deploying AWS Lambda to streamline compute-intensive tasks.
- Built "Grup Lnch," a full-stack mobile application using cloud and AI features to recommend restaurants and track fridge inventory, incorporating location services for enhanced user experience.
- *Certifications*: AWS Cloud Practitioner, Wells Fargo SWE Job Simulation
- *Languages*: English, Spanish

EDUCATION

Bachelor of Science, Computer Science, *Adams State University*, Alamosa, CO – Anticipated Dec 2025

Projects included:

AI Powered Resume Builder - Feb 2025

- Developed generative AI application for automated resume creation and optimization using machine learning models.
- Implemented end-to-end ML pipeline including data processing, model training, and real-time content generation.
- Built intelligent text processing system leveraging NLP techniques for personalized resume recommendations.

Afro-Tech AI Hackathon – Kobby AI Watch App - Oct 2024

- Built end-to-end LLM application using OpenAI's transformer models for real-time conversational AI.
- Developed scalable API abstractions for integrating multiple AI models, similar to Poe's multi-model platform.
- Deployed real-time LLM application with performance optimization for mobile edge computing.

TECHNICAL SKILLS

- PyTorch
- TensorFlow
- AWS
- Scikit-learn
- TensorFlow
- Azure

- C# and C++
- Code Review
- CSS3
- Database
- Pandas
- Gitlab

- Distributed systems
- Java
- JavaScript
- LLMs
- NumPy

- Node.js
- Open-AI
- Python
- React
- SDLC
- Statistics

PROFESSIONAL EXPERIENCE

RESNET Technician, *Adams State University - CS*, Alamosa, CO   Aug 2021 – Present
- Set up and deployed over 80 new computers for professors, resetting BIOS and reimaging machines.
- Troubleshot campus-wide computer and network issues using Dell troubleshooter and driver updates and terminal network commands, ensuring seamless IT operations for students and faculty.

Software Developer Engineer Intern, *Amazon*, Dallas, TX   May 2024 – Aug 2024
- Developed a scalable, serverless inventory data processing solution using AWS Lambda and DynamoDB, improving processing efficiency by 40%.
- Applied data collection, cleaning, and evaluation techniques for large datasets similar to ML training pipelines.
- Collaborated with cross-functional teams to refine features, implement optimizations, and enhance performance.

Shift Supervisor, *CVS Pharmacy*, Dallas, TX   May 2018 – Aug 2023
- Led a team of six managing a 13,000 sq. ft. store and achieved top district sales for the CarePass program, contributing to over $1M in revenue and significantly boosting customer engagement.
- Provided exceptional customer service and resolved complex issues to enhance the shopping experience.