

CALVIN SSENDAWULA

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PROFESSIONAL PROFILE

Upcoming Computer Science Graduate (Dec 2025) with SDE internship experience building scalable Backend (AWS/Cloud) systems. Proven exposure in AI/NLP (spaCy NER) and Frontend (React), leveraging Python, Java, and C/C++ to deliver end-to-end solutions.

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.
 - Resume Parsing and Semantic Matching Engine: Developed a full-stack AI Resume Builder application leveraging Python and a custom-trained spaCy Named Entity Recognition (NER) model to parse key resume entities (skills, experience, education)
 - Designed a baggage tracking system and relational database using SQL and Java, applying object-oriented programming principles and algorithmic thinking to optimize data handling and system functionality.
 - Built and deployed “Collage Career Gap,” a full-stack web application to improve how students at my campus transition into their careers by communicating and collaborating closely with heads of departments to implement a robust student application where professors share job opportunities, podcasts and career advice for students.
 - Implemented continuous integration pipelines and basic monitoring strategies to support code quality.
 - **Certifications:** AWS Cloud Practitioner, AWS Certified AI Practitioner
 - **Languages:** English (Fluent), Spanish (Intermediate), Luganda (Native)
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EDUCATION

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

Projects included:

LandIt AI Resume Builder – Skill Gap Emphasis - Jan 2025

- Developed a containerized RESTful API backend using Docker and Python, integrated with a PostgreSQL database and an embedding service to support efficient semantic matching and relationship extraction.
- Developed a modern, responsive frontend using React (JavaScript) and a component-based architecture to enable seamless user interaction, dynamic data visualization, and real-time updates from the NLP backend.

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

- Developed Kobby AI, a full stack watchOS 11 app using React Native, OpenAI APIs, and Google Cloud functions.
 - Implemented voice recognition and text processing, allowing users to store and recall names.
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TECHNICAL SKILLS

Programming And Web Technologies: Python, Java, C, C++, Javascript, Node.js, React, CSS3, HTML, Swift

Frameworks And Databases: AWS (S3, AWS Lambda), Linux/Unix, Docker/Containerization, PostgreSQL, Database, Android Studio, Gitlab

Skills: API Design, System Design, Code Review, Agile, SDLC, CI/CD, OOPS Concepts, Data Structures

Familiar: PyTorch, TensorFlow, Assembly, Natural Language Processing, GenAI, Next.js, Systems Architecture, Redis

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.
- Troubleshoot complex production issues using terminal commands, networking diagnostics, and system monitoring.

Master AI Trainer, Invisible Technologies, Remote

September 2025 – Present

- Analyzed and evaluated AI model outputs focusing on personalization and relevance features to improve the quality of GenAI responses for users.
- Applied strict project guidelines and data analysis principles to ensure consistency and accuracy when reviewing user-facing model responses

Software Developer Engineer Intern, Amazon, Dallas, TX

May 2024 – Aug 2024

- Developed a scalable, cloud-based inventory processing solutions using AWS lambda and DynamoDB for e-commerce operations, improving processing efficiency by 40%.
 - Collaborated with cross-functional teams to refine features, implement optimizations, and enhance performance.
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