

# FAITH SOBE CYRIL

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## EDUCATION

**Academic City University College**, Accra - Ghana

Graduating **May 2024**

**Major:** BSc Computer Engineering

**CWA:** 87.51/100

**Honors and Awards:** Dean's List, Presidential Scholarship, Academic Excellence Award

## WORK EXPERIENCE

**Amazon**, *Software Development Engineering Intern*

**June 2023 - Sep 2023**

- Formulated a comprehensive design document outlining the step-by-step strategy for migrating existing legacy SQL Kinesis Data Analytics jobs to Flink-based ones. Detailed the entire procedure from development to deployment, resulting in a more simplified data streaming architecture and an anticipated reduction of the team's expenses by \$10,000 per month across all production accounts
- Prototyped the migration with Zepellin Notebooks for rapid ad-hoc testing
- Developed a functional Apache Flink application as a Proof of Concept and successfully integrated the application into CI/CD pipelines using AWS Cloud Development Kit (CDK)

**Complete Farmer Limited**, *Software Engineering Intern*

**July 2022 - Sep 2022**

- Collaborated with a UI/UX designer to redesign the admin website dashboard's UI for better navigation and usability
- Wrote integration tests for the farm management system API to ensure quality software in production
- Improved codebase readability and changes by following recommended coding conventions and using appropriate version control practices

**Big Data Ghana Limited**, *Technology Intern*

**June 2022 - July 2022**

- Architected an AWS lightsail hosted e-learning web app with a 96% team satisfaction rating that enables a reliable access to the firm's learning resources
- Researched and proposed a speech analytics architecture on AWS to improve customer service quality
- Designed a professional dashboard using Tableau to assist the team track business success based on KPIs

## SKILLS

**Programming languages:** Python, C, JavaScript, SQL, Java, Matlab

**Experience with:** Flask, Nodejs, SQLAlchemy, MongoDB, HTML, CSS, React, ChakraUI, Postman,

Tensorflow, Azure, Git, AWS, Docker, Apache Flink, Tableau, Numpy, Panda, Scikit-Learn

**Soft Skills:** Initiative-Driven, Client Engagement, Problem Solving, Communication, Writing

## PROJECTS

**AcitizenPascoHub**

<https://acitizenpascohub.azurewebsites.net/>

- A web application that allows students discover and contribute study materials across a range of university courses to drive collaborative learning and resource sharing
- Gained experience with client-side state management, authentication, database management, web-based file management, and streamlining deployment processes using Docker images
- Developed with React, Node.js, Express and deployed with Docker and Azure

**Talk2Me**

<https://github.com/FaithCyril-star/Talk2Me>

- A study conversational Telegram chatbot built on GPT3
- Offers access to knowledge on a wide range of educational topics, enriching the student learning journey and creating a simulated tutoring experience
- Built with Python, Flask and the OpenAI API

**A\* Path Finder**

<https://replit.com/@FaithCyril/Pathfinding>

- A program that utilizes and visualizes the A\* search algorithm to determine the shortest path between two nodes
- Employed Python and the pygame library while utilizing Object Oriented Programming concepts and data structures

## LEADERSHIP & CO-CURRICULAR ACTIVITIES

**Robotics Club**, *General Secretary*

**Feb 2022 - Mar 2023**

- Maintained accurate and up-to-date records of club finances, inventory, and membership information

**Microsoft Learn Student Ambassador Program**, *Beta Ambassador*

**April 2022 - Present**

- Organize and promote hands-on workshops on Microsoft Developer Technologies to expand the skill set of students on campus