

OLUDOLAPO MOYOSORE ADEGBESAN

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EDUCATION

Fisk University

Bachelor of Science in Computer Science

Expected Graduation: Dec 2026

GPA: 3.58

Relevant Coursework: Windows Application Development | Data Structures and Algorithms | Internet Application Development | Networks | Database Management | Digital Logic Design | Discrete Math | Computer Architecture

TECHNICAL SKILLS

Languages: C/C++, Python, Typescript, JavaScript, C#, HTML5/CSS, SQL

Frameworks: React.js, Node.js, MySQL, Flask.py, Langchain, .NET

Developer Tools: GitHub, Git, Docker, AWS, Firebase

WORK EXPERIENCE

Google

Associate Software Developer Intern

New York City, NY

May 2025 - Aug 2025

- Developed a Chrome extension powered by **Gemini LLM** and **TypeScript** to analyze and summarize privacy policies in real time, enhancing user comprehension while ensuring on-device privacy and safety.
- Built **30+** tests using **Jasmine** test and a custom pipeline to evaluate **5+** **LLM** prompts against **30** real-world privacy policies, selecting optimal prompts and reducing hallucination in production responses.

Propel2Excel

Software Developer

Remote

June 2024 - September 2024

- Collaborated with a developer to implement a job API for the hiring board, accessing **200** jobs and increasing student applications by **20%**, using **JavaScript, SQL, and Python**.
- Implemented a **MySQL** database to store data pulled from the job API, featuring it on the website, and improving data management and accessibility by **10%**.

HP FOWA Competition

Engineering Lead

Remote

August 2024 - September 2024

- Led the development of a custom **GPT** integrated with **5 APIs** (2 for jobs, 2 for housing, 1 for search and resume analysis) to assist minority students across multiple HBCUs with job and housing searches.
- Collaborated with a team of **5** engineers to test the tool with **80** users, improving their job search efficiency and securing **2nd place** out of **15** teams in the competition.

Ashoka

Software Engineer Intern

Remote

May 2024 - August 2024

- Developed an AI-powered summary tool using **Langchain** and **Python** to compile information from fellows' websites and LinkedIn profiles and provided details, reducing information retrieval time by **20%**.
- Engineered **RESTful API** endpoints and user interface components for data verification, enabling internal users to approve or reject information from fellows' sources, resulting in a **10%** increase in data verification efficiency.

PROJECTS

Studyme | Flask, OpenAI, MongoDB, AWS, Redis

- Developing a **Flask**-based AI-powered document assistant that processes PDFs, DOCX, and PPTX files, generating AI-driven summaries, explanations, and optional flashcards using **OpenAI's GPT** models.
- Implementing a web search API integration, enabling users to access relevant online resources based on AI-extracted key points.
- Building a scalable backend with plans to integrate **MongoDB** for storage, **Redis** for caching, and **AWS** for deployment, ensuring efficient performance and minimal API redundancy.

Real-Time Object & Emotion Detection | Python, OpenCV, TensorFlow, YOLOv3

- Developed a real-time AI system using YOLOv3 (Darknet) for object detection and a **CNN-based model (TensorFlow/Keras)** for facial emotion recognition.
- Integrated Haar Cascade for face detection, optimized **Non-Maximum Suppression (NMS)** to eliminate duplicate detections, and implemented Euclidean distance for object proximity estimation.
- Enhanced efficiency by removing **TTS latency (pyttsx3)**, optimizing frame processing, and streamlining dependencies with Conda/Pip.

PathFinderGPT | React.js, Flask.py, OpenAI API, TailwindCSS

- Constructed backend routes to deliver career roadmap data to the front end, enhancing the application's responsiveness and user experience, using **Flask** and integrating the **OpenAI API**.
- Optimized dynamic forms, collaborating with a team to enable seamless user input collection and improve the full-stack application's functionality, using **React.js** and **Tailwind CSS**.

Text Frequency Analyzer | C/C++, Goggletest

- Built a Text Frequency Analyzer to swiftly compute and analyze word occurrences in large texts, employing optimized algorithms and robust data structures to improve efficiency and precision
- Enhanced the Word Frequency Analyzer by integrating sentiment analysis and diverse export options (CSV, JSON, TXT), enabling positive or negative assessments and flexible data sharing

LEADERSHIP AND AWARDS

Management Leadership for Tomorrow Career Prep Fellow, Amazon-MSI-Engagement-Program, National Society of Black Engineers, 2nd Place MLH CivicHacks (2023), Colorstack: Fellow (Present), Attended Amazon Campus Prep Series-2025.