

# OLUDOLAPO MOYOSORE ADEGBESAN

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## EDUCATION

<b>Fisk University</b>	<b>Expected Graduation: Dec 2026</b>
Bachelor of Science in Computer Science	<b>GPA: 3.58</b>
<b>Relevant Coursework:</b> 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

<b>Google</b>	New York City, NY
<i>Associate Software Developer Intern</i>	May 2025 - Aug 2025
<ul style="list-style-type: none"><li>Developed a Chrome extension powered by <b>Gemini LLM</b> and <b>TypeScript</b> to analyze and summarize privacy policies in real time, enhancing user comprehension while ensuring on-device privacy and safety.</li><li>Built <b>30+</b> tests using <b>Jasmine</b> test and a custom pipeline to evaluate <b>5+ LLM</b> prompts against <b>30</b> real-world privacy policies, selecting optimal prompts and reducing hallucination in production responses.</li></ul>	
<b>Propel2Excel</b>	Remote
<i>Software Developer</i>	June 2024 - September 2024
<ul style="list-style-type: none"><li>Collaborated with a developer to implement a job API for the hiring board, accessing <b>200</b> jobs and increasing student applications by <b>20%</b>, using <b>JavaScript, SQL, and Python</b>.</li><li>Implemented a <b>MySQL</b> database to store data pulled from the job API, featuring it on the website, and improving data management and accessibility by <b>10%</b>.</li></ul>	
<b>HP FOWA Competition</b>	Remote
<i>Engineering Lead</i>	August 2024 - September 2024
<ul style="list-style-type: none"><li>Led the development of a custom <b>GPT</b> integrated with <b>5 APIs</b> (2 for jobs, 2 for housing, 1 for search and resume analysis) to assist minority students across multiple HBCUs with job and housing searches.</li><li>Collaborated with a team of <b>5</b> engineers to test the tool with <b>80</b> users, improving their job search efficiency and securing <b>2nd place</b> out of <b>15</b> teams in the competition.</li></ul>	
<b>Ashoka</b>	Remote
<i>Software Engineer Intern</i>	May 2024 - August 2024
<ul style="list-style-type: none"><li>Developed an AI-powered summary tool using <b>Langchain</b> and <b>Python</b> to compile information from fellows' websites and LinkedIn profiles and provided details, reducing information retrieval time by <b>20%</b>.</li><li>Engineered <b>RESTful API</b> endpoints and user interface components for data verification, enabling internal users to approve or reject information from fellows' sources, resulting in a <b>10%</b> increase in data verification efficiency.</li></ul>	

## PROJECTS

<b>Studyme</b>   <i>Flask, OpenAI, MongoDB, AWS, Redis</i>	
<ul style="list-style-type: none"><li>Developing a <b>Flask</b>-based AI-powered document assistant that processes PDFs, DOCX, and PPTX files, generating AI-driven summaries, explanations, and optional flashcards using <b>OpenAI's</b> GPT models.</li><li>Implementing a web search API integration, enabling users to access relevant online resources based on AI-extracted key points.</li><li>Building a scalable backend with plans to integrate <b>MongoDB</b> for storage, <b>Redis</b> for caching, and <b>AWS</b> for deployment, ensuring efficient performance and minimal API redundancy.</li></ul>	
<b>Real-Time Object &amp; Emotion Detection</b>   <i>Python, OpenCV, TensorFlow, YOLOv3</i>	
<ul style="list-style-type: none"><li>Developed a real-time AI system using YOLOv3 (Darknet) for object detection and a <b>CNN-based model (TensorFlow/Keras)</b> for facial emotion recognition.</li><li>Integrated Haar Cascade for face detection, optimized <b>Non-Maximum Suppression (NMS)</b> to eliminate duplicate detections, and implemented Euclidean distance for object proximity estimation.</li><li>Enhanced efficiency by removing <b>TTS latency (pyttsx3)</b>, optimizing frame processing, and streamlining dependencies with Conda/Pip.</li></ul>	
<b>PathFinderGPT</b>   <i>React.js, Flask.py, OpenAI API, TailwindCSS</i>	
<ul style="list-style-type: none"><li>Constructed backend routes to deliver career roadmap data to the front end, enhancing the application's responsiveness and user experience, using <b>Flask</b> and integrating the <b>OpenAI API</b>.</li><li>Optimized dynamic forms, collaborating with a team to enable seamless user input collection and improve the full-stack application's functionality, using <b>React.js</b> and <b>Tailwind CSS</b>.</li></ul>	
<b>Text Frequency Analyzer</b>   <i>C/C++, Goggletest</i>	
<ul style="list-style-type: none"><li>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</li><li>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</li></ul>	

## 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.