

Ikechukwu Mgbemele

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EDUCATION

FISK UNIVERSITY

01/2024 – 12/2027 | Nashville, TN

Bachelor of Science in Computer Science; GPA: 4.0/4.0

Relevant Coursework: Intro to Computer Science I & II, Data Structures and Algorithm, Web Development, Object-Oriented Programming, Calculus.

TECHNICAL SKILLS

Languages: Python (Highly Proficient), TypeScript (Highly Proficient), Java (Highly Proficient), HTML (Highly Proficient), SQL (Highly Proficient)
Developer Tools/Technologies: React.js, Next.js, Node.js, Git, GitHub, Android Studio, MySQL, SQLite, MongoDB, TailwindCSS, Redux-Toolkit, Postman, Visual Studio Code, CSS, Bootstrap 5, Heroku, ChakraUI

EXPERIENCE

FISK UNIVERSITY-GEORGIA TECH COLLABNEXT

02/2024 – present | Nashville, TN

Frontend Developer Intern (In-semester Part Time, Full Time Summer 2024)

- Developed **CollabNext** web application, a tool that facilitates research interaction and collaborations between HBCUs and Georgia Tech, utilizing **TypeScript** Programming Language and **React.js**.
- Converted parts of codebase to **reusable** components and made component state **local** to increase performance by **20%**.
- Improved development efficiency by **30%** by implementing hot reload in the **React-Springboot** application.

GILAH GLOBAL LIMITED

10/2022 – 10/2023 | Lagos, Nigeria

Fullstack Developer Intern

- Improved project efficiency by reducing video upload time by **25%** and also making video upload asynchronous.
- Conducted in-depth development research resulting in the identification of **5+** key trends and insights that informed strategic decision-making processes.
- Completed the entire development process for my Capstone Project, including writing **docs**, achieving weekly milestones, going through code reviews, and **testing**.
- Collaborated with **4+** developers using version control systems and project management tools such as **Git** and **Trello** to organize modifications and assign tasks, fostering effective teamwork and project success.

PROJECTS & PROGRAMS

2024 TMCF The Pitch | Team Lead

05/2024 | Atlanta, GA

- Developed and pitched a marketplace business solution using **Next.js** and **Python** which helps promote small black businesses and implemented a **Machine Learning model** on the platform which matches complimentary vendors for collaborations.
- Worked on a team of **6** engineers solving fundamental Data Structure/Algorithm prompts in a collaborative engineering environment.

Healthcare | Java, Android Studio, SQLite, GitHub

06/2024

- Developed an **Android** Healthcare application using **Java**, **Android Studio**, and **SQLite** where people can book appointments with medical professionals, schedule lab tests, and buy medicines.
- Enhanced healthcare outcome by **20%** through accurate prediction of heart disease, positively impacting patient well-being.
- Implemented **HIPAA-complaint data encryption** protocols across the application, decreasing data breach by **35%** and ensuring patient privacy and security.

BuyToken | TypeScript, Next.js, TailwindCSS, GitHub - LINK

02/2024

- Created a web application using **TypeScript** and **Next.js** that allows users to buy or borrow utilities such as electricity, cable subscription, airtime, and data.
- Minimized expenses by **16%** through implementing a rigorous monthly budget feature using charts and graphs.
- Successfully mitigated fraudulent transactions while optimizing app efficiency by **25%** and transaction accuracy by **6%**.

Circo | TypeScript, Next.js, Node.js, MongoDB, GitHub - LINK

10/2023

- Developed a **YouTube-like** web application using **TypeScript**, **Next.js**, and **Node.js**, where content creators can create videos, host live events, and earn.
- Implemented **Object-Oriented** programming concepts like inheritance and polymorphism for my Backend program.
- Utilized **AWS** platform as a development environment to deploy, manage, and scale the web application.

LEADERSHIP & ACTIVITIES

Fisk University Computer Science Club

01/2024 – present

- Network with Computer Science students and professionals for technical skill practice and internships opportunities.

Fisk University Executive Leadership Program

02/2024 – present

- Engage in leadership and technical skills conferences hosted by software engineering industry professionals.

AWARDS

- Ella Sheperd Moore Provost Scholarship - **Full Tuition**

CERTIFICATIONS

- Certification in Python Programming by National Institute of Information Technology (NIIT) - **LINK**
- Diploma in Fullstack Web Development by National Institute of Information Technology (NIIT) - **LINK**