Aka Ndubuisi-Ulokwem

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EDUCATION

SOUTHERN NEW HAMPSHIRE UNIVERSITY   Manchester, NH
Master of Science in Information Technology (MSIT)   Expected May 2025
- Cumulative GPA: 3.96

- Honors roll , August 2024 - Present

UNIVERSITY OF MISSISSIPPI   Oxford, Mississippi
Bachelor of Science in Computer Science (BSc)   May 2023

SKILLS

Languages: Java, Python, JavaScript, SQL, Bash, C#
Web: Html, CSS, bootstrap, Flask, Django, Nodejs
Technology: Visio, MS Project ,Linux ,Unix, Unity3d, Git, Weaviate, Langchain, Wireshark, Tableau, Minitab
*Databases***:** MySQL, Google Firebase , MongoDB, SQLite

PROFESSIONAL EXPERIENCE

Web Developer Intern - **Ajeh Business Solutions inc**   **DEC 2024** -Present.
- Administered hosting platforms and managed system access, ensuring seamless deployment and performance of web applications for business purposes
- Assisted with front-end and back-end troubleshooting for website functionalities, including optimizing layouts and ensuring compatibility across systems.
- Provided real-time technical support during peak operational hours, serving as the primary point of contact for resolving diverse technical issues, including hosting platforms, software troubleshooting, and on-site hardware challenges, to ensure seamless operations.

PROJECT EXPERIENCE

Gym Buddies Website Project – SNHU | LINK   **Fall Term 2024**
- Developed a scalable backend with **Python Flask**, implementing modular RESTful APIs for user registration, gym buddy matching, and workout session scheduling, backed by **Firebase NoSQL** for real-time data management.
- Conducted **Postman-driven API testing** to validate relationships across users, sessions, and notifications while delivering a comprehensive data dictionary and ERD to ensure project clarity and alignment.
- Enhanced scalability and maintainability with **modular blueprints** and prepared for future upgrades like AI-driven matching and AWS cloud integration for improved performance.

AI Chat Assistant Development - SNHU | LINK   **Spring term 2024**
- Developed and integrated an AI chatbot using Flask to connect OpenAI's GPT API with a Weaviate vector database for seamless query processing and dynamic user interactions.
- Designed a hybrid information retrieval system by leveraging Langchain to scrape and index SNHU's website content, stored in a Weaviate database, with BM25-based search for precise content retrieval.
- Built a responsive web interface with JavaScript, HTML, and CSS, enabling users to query website content or perform general OpenAI searches based on specified keywords.

LEADERSHIP AND CAMPUS EXPERIENCE

Technology Student Trainer, **Instructional Support suite** – SNHU   August 2024-Present.
- Supported faculty and students with network connectivity and laptop troubleshooting, ensuring devices were properly connected and functioning for smooth classroom operations.