

# Aka Ndubuisi-Ulokwen

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## EDUCATION

### SOUTHERN NEW HAMPSHIRE UNIVERSITY

*Master of Science in Information Technology (MSIT)*

- Cumulative GPA: 3.96
- Honors roll , August 2024 - Present

Manchester, NH  
Expected May 2025

### UNIVERSITY OF MISSISSIPPI

*Bachelor of Science in Computer Science (BSc)*

Oxford, Mississippi  
May 2023

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## 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

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## 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.

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## 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 **Firestore** 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.

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## 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.