

ALAMEEN ADEKU

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EDUCATION

Southeastern Louisiana University

Hammond, LA

Bachelor of Science in Computer Science, Minor in Mathematics GPA-3.95

Aug. 2023 – May 2027

Relevant coursework: Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Database Systems, Linear Algebra, Fundamental Algorithms, Data Mining.

Awards: Southeastern Honors Scholar, Southeastern Presidents List, Southeastern Dean's List, MAA Integration Bee Competition winner, Sophomore Honors Distinction.

PROJECTS

Fitness Tracking Application | .NET, C#, React, TypeScript, Mantine UI

[Github](#) | Feb - May 2025

- Collaborated with a team of four to develop a full-stack web Fitness tracking application using **C# & .NET EFCore** on backend and **React, Typescript** on Frontend.
- Designed Db daigram and modeled backend endpoints using **ASP.NET** to facilitate seamless communication with frontend
- Implemented a user dashboard with meal tracking, workout planning and logging, and goal tracking features by integration of **React Router** for front end route and Fetch API to obtain data from backend.
- Improved User Interface using **Mantine UI** for visually apealling Compoents, Responsive Design, Performance, Optimization, and Form validation.

LLM News Article Classifier | Python, Pandas, Matplotlib, OpenAI API

[Github](#) | June 2025

- Cleaned and preprocessed **10,000+** records from a public dataset using tokenization, null removal, and EDA techniques including frequency-based word clouds.
- Fine-tuned **gpt-3.5-turbo** using OpenAI's API with a labeled dataset, achieving a **12%** increase in classification accuracy (from **82% to 94%**) over the base model.
- Deployed structured evaluation pipeline to measure model performance and ensure consistency across test data splits.

Weather Web Application | HTML, CSS, JavaScript

[Github](#) | Dec 2023

- Developed a dynamic Weather Web Application using **HTML, CSS, and Vanilla Javascript**.
- Developed and integrated a search bar, leveraging the **AccuWeather API** to provide users with real-time weather information by city name.
- Improved user experience by implementing responsive design with **Bootstrap** and CSS Media Queries.

EXPERIENCE

The Energize Project

November 2024 - June 2025

Administrative & Student Teaching Assistant(Hybrid)

- Developed targeted assessment questions aligned with Praxis objectives and state standards,enhancing recruitment
- Delivered **1-on-1** tutoring sessions focused on Functional and Object Oriented paradigms in Java.
- Developed digital study guides and practice sets, streamlining preparation for **40+ students**.

Southeastern Math Department

August 2025 - Present

Math tutor

Hammond, LA

- Tutored **15–20** undergraduate students per week in topics ranging from College Algebra to Elementary Statistics.
- Guided students during Math Lab sessions, offering academic support and recommending resources for learning.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, JavaScript, HTML/CSS.

Developer Tools: React, Node.js, Express, ASP.NET, Firebase, Supabase, Mantine-UI, NumPy, Pandas, Matplotlib, Bootstrap, Git & Github, Google Colab, Chakra UI, JetBrains, Zod, VS Code

LEADERSHIP AND EXTRACURRICULAR

- Represent the College of Science and Technology as an **Ambassador**, assisting first-year students in exploring career paths in Computer Science and supporting the setup, execution, and wrap-up of college events.
- Lead orientations as an International Students Union (ISU) **Ambassador**, guiding incoming students and contributing to the planning and execution of events that foster cultural inclusivity.
- Actively involved in Computing and Coding communities including ACM (Association of Computing Machinery), CodePath, and ColorStack, expanding technical knowledge and professional network.