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 diagram 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 appealing Components, 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.

Movie Tracking & Discovery Application | *React, Node.js, PostgreSQL, Tailwind CSS*   Github | Dec 2025
- Developed a full-stack movie tracking application for film enthusiasts to log, rate, and discover movies.
- Built backend infrastructure with **Node.js**, **Express**, **PostgreSQL**, seeding 100+ movies via TMDB API
- Integrated **GitHub OAuth** authentication using Passport.js and set up frontend with **React** & **Tailwind CSS**

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.