Ayooluwa Adeleye

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Relevant Links: LinkedIn | GitHub
Programming Languages: Python, C++, HTML, CSS, SQL
Technologies: Git, Tensorflow, Keras, scikit-learn, NumPy, pandas, Flask, MATLAB

EDUCATION

University of Illinois, Chicago **(Anticipated) August 2023 - May 2025**
Bachelor's of Science, Computer Science

Elgin Community College **August 2021 - Present**
Associate's in Science, GPA: 3.4/4.0

- Relevant Courses: Calculus I, II, & III , Computer Science I & II
- Awards: Placed on the President's list for Fall 2022.

PROJECTS

AI Sudoku Solver | (Flask, Python, OpenCV, Keras) **March 2023**

- Developed a website that solves an uploaded picture of an unsolved sudoku grid picture by using the K-Nearest Neighbor algorithm (K-NN) for computer vision.
- Performed image processing on image queries from users using OpenCV.
- Integrated Flask as a backend service for the image processing, rendering HTML templates and outputting a solved sudoku puzzle.

Note Taking Website | (Flask, SQLAlchemy, SQLite, HTML, CSS) **December 2022**

- Designed a responsive layout to provide a seamless user experience on both desktop and mobile devices using HTML and CSS, and by implementing dynamic search functionality.
- Implemented CRUD functionality using Flask and an SQLite database, allowing users to easily manage their notes.
- Utilized Git version control to manage the codebase and facilitate collaboration with other developers.

ML Algorithms Visualizations | (Python, C++, HTML, CSS, Javascript) **February 2023**

- Implemented the major classical algorithms from scratch.
- Built a frontend system to visualize each algorithm through graphs, charts, and diagrams.
- Performing data analysis and visualizations in Kibana and setting alarms based on logged metrics.

EXPERIENCE & EXTRACURRICULARS

Elgin Community College **November 2022 - Present**
Student Worker, Student Life Elgin, IL

- Assisted students, and faculty involved in clubs and organizations on the campus with a variety of tasks including event planning.
- Performed some essential administrative duties including data entry, acting as front desk personnel, bulletin postings, etc.

VEX Robotics **August 2021- Present**

- Assisted in designing and building competition robots across two years and multiple competitions, leading to victory against multiple Illinois universities.
- Programmed and tested robot sensors and motor control circuits, resulting in a 15% increase in the robot's performance and speed.
- Led weekly training sessions for new members, teaching them basic programming and design concepts and helping them to build their own robots.

PROFESSIONAL DEVELOPMENT

Coursera Machine Learning by Andrew Ng:

- Learned the fundamentals of machine learning concepts, including supervised learning (linear regression, logistic regression) and unsupervised learning (k-means clustering, PCA), as well as neural networks and support vector machines.