FOLU ADERIBIGBE

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A Computer Science student at Ontario Tech University, seeking opportunities to leverage my strong technical background and hands-on project experience in software development and data analysis. With expertise in Python, Java, JavaScript, and various web and cloud technologies, I am eager to contribute to innovative software solutions and complex data-driven projects. My goal is to contribute to innovative projects within a dynamic team, leveraging my analytical abilities and technical knowledge to solve complex challenges and deliver tangible results.

EDUCATION

Ontario Tech University **Oshawa, Ontario**
May 2026

Bachelors of Science in Computer Science

Relevant Classes: Data Structures and Algorithms, Scientific Data Analysis, Computational Science, Software Design and Analysis, Software Systems Dev. & Integ., Statistics

TECHNICAL SKILLS

- Python, SQL, C++, Java, JavaScript, HTML, CSS
- Web Development/Frameworks: React.js, Angular, Node.js, React Native, REST API
- Data Visualization: Matplotlib, Seaborn, Tableau
- Machine Learning: SciKit-learn
- Cloud Computing Platforms: Microsoft Azure
- Other Skills: Git, Docker

PROJECTS

Sentiment Analysis in Poetry **January 2024**

[Python, NumPy, Pandas, Matplotlib, Seaborn, SciKit-learn]

- Developed functions and algorithms to categorize poetry by topics and forms, and to extract and analyze the text for sentiment. Used natural language processing tools to interpret and quantify the sentiment of the poetry texts.
- The project includes scripts for organizing and processing poetry data, stored in different formats and directories.
- Successfully analyzed a collection of poems, providing insights into the overall sentiment and emotional tone of various genres and styles of poetry.

Airplane Price Prediction Model **January 2024**

[Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn]

- Developed a machine learning model to predict the prices of airplanes based on various features such as model, age, seating capacity, fuel efficiency, and maintenance history.
- Employed regression analysis techniques, experimenting with models like Linear Regression, Random Forest, and Gradient Boosting.
- Fine-tuned model parameters using cross-validation and grid search methodologies for optimal performance.

Changing Weather Extremes **November 2023**

[Python, NumPy, Pandas, Matplotlib, Seaborn, SciKit-learn]

- This study involves a detailed examination of various meteorological variables. It aims to describe the current state of our climate through the analysis of these data points.
- The data is classified into four seasons to provide a nuanced understanding of how weather patterns change throughout the year. This seasonal classification is instrumental in determining the trends and shifts in weather patterns.

LEADERSHIP & INVOLVEMENT

Smart Cities Innovation Challenge

[Brilliant Catalyst & Ontario Tech's Faculty of Engineering and Applied Science]

- **Engaged in an intensive, collaborative venture** focused on innovating urban technology solutions, leveraging the partnership between Brilliant Catalyst and Ontario Tech's Faculty of Engineering and Applied Science.
- **Developed a sustainable urban heating solution**, conceptualizing and designing a project that repurposed excess heat from buildings to maintain sidewalks at just above freezing temperatures. This initiative aimed to enhance pedestrian safety and comfort in winter conditions in major urban centers such as Toronto and New York.
- **Employed advanced materials science** to identify and utilize a novel material capable of absorbing sufficient heat during the day and releasing it slowly. This ensured sidewalks remained ice-free without the need for traditional salt or chemical de-icers, presenting a greener, more sustainable approach to urban design.
- **Demonstrated strong problem-solving skills** by addressing the technical challenges of heat distribution and material durability, ensuring the solution was both effective in preventing ice formation and capable of withstanding heavy pedestrian traffic without significant wear.
- **Presented the project to a panel of professionals**, showcasing the innovative approach and potential impact on urban living, receiving positive feedback for the project's creativity, sustainability, and potential for scalability.