David Adeniyi

(204) 930-3026 │ dadeniyi54@gmail.com │ linkedin.com/in/adeniyi-david/ │
github.com/DavidAde6 │ https://davidade6.github.io/

SKILLS

Languages: Python, C, C++, SQL, Java, JavaScript, TypeScript, YAML, HTML, CSS
Technologies: Tensorflow, Pytorch, REST API's, Docker, Kubernetes, GCP, AWS, Keras, Git, Github Actions, Scikit-Learn, Numpy, Pandas, Matplotlib, Bootstrap, React

EDUCATION

Carleton University   Ottawa, ON
Bachelor of Computer Science, Artificial Intelligence   May 2028
- **CGPA**: 11.6/12.0 │ Dean's List, Henry M. Tory Scholarship
- **Extracurriculars**: Carleton Math Society, Carleton AI Society, Carleton Climbing

PROJECTS

Platter: AI Nutrition Platform for Diabetics │ Pytorch, AWS, Kubernetes, FastAPI, CI/CD, Docker
- Built to ease the mental burden diabetics face with managing meals by simplifying food tracking into a single, image-based interaction.
- Fine-tuned existing **Hugging Face** models using **PyTorch** to compute calories and other macronutrient distributions relevant to glycemic control.
- Handled user images using **FAST API** for request orchestration and **Pillow** for preprocessing
- Deployed on **AWS** using **Docker** and **Kubernetes** for low-latency inference for concurrent users.
- Employed CI/CD pipelines with **GitHub Actions** for testing and enabling zero-downtime.

Nitrogen Dioxide Level Forecasting │ Python, TensorFlow, Numpy, Pandas
- Leveraged **Google Earth Engine's** geospatial processing capabilities to model and predict the atmospheric concentration of NO2 in Ottawa with 91% Accuracy.
- Harnessed the **European Space Agency's** Sentinel 5-P data to preprocess NO2 datasets.
- Designed and trained **Long Short-Term Memory** Neural Networks using **TensorFlow**, achieving considerably accurate time-series predictions.
- Employed data manipulation techniques with **Pandas** and **Numpy** to process and refine large-scale datasets, extracting geospatial trends.
- Optimized predicting performance through Hyperparameter tuning and other techniques.

Developer Portfolio │ React, Tailwind CSS, Framer Motion, TypeScript, HTML, CSS
- Built to showcase modern development practices, displaying other projects and technical skills
- Focused on performance by leveraging **Tailwind CSS** and **Framer Motion** for clean animations.
- Developed with the component-based **React** and **TypeScript** architecture for long-term maintainability.

EXPERIENCE

Web Developer   July 2025 - Sept 2025
African Foodways Market │ JavaScript, Bootstrap, React, HTML, CSS, SQL, MySQL, Flask, Python
- Designed and launched a fully functional e-commerce website using industry-standard frameworks, integrating real-time product inventory for accurate stock and seamless customer experience.
- Developed user-friendly UI/UX layouts optimized for both mobile and desktop navigation while maintaining site stability through routine bug fixes, updates, and performance enhancements.
- Improved online visibility through SEO, metadata optimization, and clean site architecture.