Abdu-Lateef A. Lekan-Fadeyi

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TECHNICAL SKILLS

Languages – C, Java, Python, Typescript, JavaScript, C#, SQL, HTML/CSS
Frameworks/Libraries – React.js, Flask, Next.js, Vue.js, Pandas, Sci-kit Learn, Bootstrap, Tailwind CSS
Tools and Databases – Node.js, Git, GitHub, Jupyter Notebook, MongoDB, PostgreSQL, Docker, Vercel, Postman
Operating Systems – Linux, Windows, MacOS

PERSONAL PROJECTS

Political Figure Classifier **Mar. 2025**

- Improved political figure classification accuracy by 10% by optimizing feature extraction with wavelet transforms.
- Built a RESTful API using Flask to serve the classification model, processing image data for predictions.
- Trained and tuned classification models (SVM, Random Forest, Logistic Regression) to achieve 92.31% accuracy.
- Developed a responsive frontend with Vue.js to enable users to upload images and interact with the classification API.

AI Recipe Finder **Sep. 2024 – Oct. 2024**

- Built a full-stack recipe website using OpenAI API to generate meal ideas based on ingredients users have at home.
- Developed a RESTful backend in Node.js and Express.js, with authentication, error handling, and input validation.
- Designed a MongoDB database to store user credentials and personalized search history for easy access.
- Engineered a responsive React frontend with CRUD features, allowing users to manage searches and saved recipes.

Mobile Maze Game **Jun. 2023 – Sep. 2024**

- Developed and launched an Android maze escape game in C# and Unity, featuring an AI-controlled snake enemy.
- Refactored game code into modular systems using OOP principles, reducing feature development time by 34%.
- Released the game on Google Play, gaining 100+ downloads, a 4.5-star rating, and 18 monthly active users.

EDUCATION

Bachelor of Computing, Software Engineering (Co-op), Minor in Business **2023 – 2028**
University of Guelph, Guelph, ON

- Recipient of the Dean's Scholarship of $1,000 in recognition of outstanding academic achievement.
- Currently maintaining a 4.0 GPA (96% average), with top marks in Data Structures, OOP, and Software Design.
- Related Coursework: Operating Systems, Analysis & Design of Algorithms, S/W System Development & Integration.

Key Academic Projects:

- vCard Parser Library Project (2025): Developed a C shared library for parsing and validating vCard files, ensuring correctness through built-in error handling, and containerized the build and testing processes using Docker.
- Math Operations Project (2024): Refactored and enhanced a large C codebase, fixing defects, implementing unit tests, and improving code quality through standardization and self-documentation.
- Labour Market Analysis Project (2024): Worked in a team of four to develop a Python program analyzing Statistics Canada employment data. Used pandas for data processing, matplotlib for visualization, and Scrum for project management. Conducted code reviews with Git workflow to maintain quality and ensure best practices.

EXPERIENCE

Outlier AI **Jul. 2024 – present**
AI Writing Evaluator

- Employing prompt engineering to design creative and comprehensive scenarios for evaluating client AI models.
- Analyzing extensive AI-generated text to assess adherence to quality standards and reporting performance issues.

ACTIVITIES AND LEADERSHIP

Participant, DeltaHacks XI Hackathon **Jan. 2025**

- Built a website using Node.js, React.js, and PostgreSQL to help manage houseplants shown to improve mental health.

Team Leader **Mar. 2022 – Jun. 2023**
Dakota Collegiate Institute, Winning, MB

- Spearheaded the logistics team for a Relay for Life event, raising over $26,000 for cancer research and support.
- Served as Master of Ceremonies for three school-wide events, confidently presenting to the entire student body.