Brahim Landing Thiam

873-355-9084 | thib22@uqo.ca | linkedin.com/in/brahim | github.com/brabra6

EDUCATION

Université du Québec en Outaouais (UQO)   Gatineau, QC
Honours BSc in Computer Science   *Sep. 2023 – Dec. 2026*
- Relevant coursework: Data Structures, Algorithms, Cybersecurity, Introduction to Data Science.

Collège Universel   Gatineau, QC
Diploma of Collegial Studies in Natural Sciences   *Aug. 2021 – May 2023*

TECHNICAL SKILLS

Programming & Scripting Languages: Java, Python, JavaScript, HTML/CSS, R, SQL (MySQL, SQL Server)
Frameworks & Libraries: React, Node.js, JUnit, Firebase, Scikit-learn, Pandas, NumPy, Matplotlib, Hugging Face Transformers, Tesseract OCR
Developer Tools & IDEs: Git, GitHub, Android Studio, VS Code, IntelliJ, Eclipse, MCUXpresso, WordPress, Jupyter Notebook, Anaconda/Miniconda

PROJECTS

Wine Data Analysis & Classification | *Python, Scikit-learn, Matplotlib*   Oct. 2025 – Dec. 2025
- Conducted exploratory data analysis on Wine dataset using PCA and correlation matrices (corr ¿ 0.5).
- Developed predictive models using KNN and Logistic Regression, achieving up to 95% accuracy.
- Handled missing values using imputation and validated models through cross-validation.
- Compared dimensionality reduction techniques (PCA vs LDA) and documented their impact on accuracy.
- Created visualizations and explained trade-offs between compression and model performance in a technical report.

AI Anime Recommendation System | *Python, Pandas, Scikit-learn, Hugging Face*   Feb. 2025 – Apr. 2025
- Built a Netflix-style anime recommender system using collaborative filtering and NLP embeddings.
- Scraped and cleaned the MyAnimeList dataset; handled 10,000+ rows using Pandas and NumPy.
- Used Hugging Face Transformers to extract semantic meaning from anime descriptions.
- Implemented cosine similarity to match user preferences with recommended titles in real time.
- Developed a web UI using Gradio and deployed code with a complete README on GitHub.

Personal Portfolio Website | *HTML, CSS, GitHub*   Nov. 2024 – Dec. 2024
- Created and deployed a responsive portfolio website showcasing my skills, projects, and technical expertise.
- Developed a modern and interactive user interface using CSS to enhance user experience.
- Ensured web accessibility compliance and optimized SEO, improving visibility and loading times across devices.
- Versioned the project with GitHub, leveraging branches for feature development and seamless collaboration.
- Integrated contact forms and feedback functionality using JavaScript, allowing potential clients to reach out directly.

PC Order Management App | *Android Studio, Java, Firebase*   Sep. 2024 – Dec. 2024
- Designed and developed a mobile application for managing PC hardware orders, enabling users to perform real-time Create, Read, Update, and Delete (CRUD) operations.
- Implemented Firebase Authentication to provide secure user login and role-based access control.
- Optimized Firebase database queries by structuring efficient listeners and asynchronous operations, reducing data retrieval time by 25%.
- Built responsive user interfaces using XML, ensuring compatibility across various screen sizes and devices.
- Utilized Android lifecycle management to ensure smooth transitions and prevent memory leaks during real-time data updates.
- Integrated push notifications to inform users of order updates and status changes in real-time.
- Collaborated with a small team using GitHub for version control, managing branches and code reviews.