

# MIKIYAS BATU

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## EDUCATION

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**Bachelor of Science in Computer Science**

*York University*

January 2021 - January 2025

*Toronto, Canada*

## TECHNICAL SKILLS

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**Languages:** Python, Java, C++, SQL, JavaScript, TypeScript, HTML, CSS, React

**Libraries and Frameworks:** Pandas, Numpy, Django, Flask, React, Express.js, PyTorch, Tensorflow, Langchain

**Tools:** AWS, Docker, Node.js, SQLite, MongoDB, Kubernetes, Git, Jupiter Notebook, Google Colab

## EXPERIENCE

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**AI Research Intern**

*Brokee*

April 2024 - July, 2024

*Toronto, Canada*

- Designed and implemented an **LLM** evaluation system using **Python**, **Langchain**, and the OpenAI API to refine prompts for summarizing candidate test performance, improving evaluation consistency.
- Built a follow-up question generation system powered by **OpenAI GPT** models, applying data engineering techniques to process real-world candidate responses and validate question accuracy.
- Containerized both systems using **Docker** for seamless deployment and integration into the company's workflow, contributing to a more scalable and maintainable AI pipeline.

## PROJECTS

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**Tech Career Platform | React, TypeScript, Supabase(PostgreSQL) | [Live Demo](#)**

- *GROUP PROJECT OF 2* A comprehensive career development platform designed to help aspiring tech professionals navigate the Canadian job market.
- Created career platform with AI-powered recommendations and skills assessment system
- Built job tracking with **CRUD operations** and market analytics visualizations

**Scheduling Assistant | React, TypeScript, Supabase(PostgreSQL) | [Live Demo](#)**

- AI-powered shift suggestions and cost optimization and Role-based employee management and availability tracking
- Drag-and-drop scheduling grid with real-time updates

**Amazon Reviews Sentiment Analysis | Python,NLTK, Flask | [View Code](#) | [Paper](#)**

- *GROUP PROJECT OF 2* - A spam detection system for Amazon product reviews leveraging a BERT-based pre-trained language model
- Trained NLP model for fraud detection with **80% accuracy**
- Trained on Amazon US Customer Reviews Dataset