

# HAIDER MALIK

📍 Toronto, Canada

☎ +1-647-804-2549

✉ [haidermalik662@gmail.com](mailto:haidermalik662@gmail.com)

👤 [Portfolio Website](#)

🌐 [LinkedIn](#)

🐙 [GitHub](#)

## Education

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### York University

Expected graduation date: April 2027

*BEng in Software Engineering (Specialization in Big Data)*

Relevant courses: Intro and Advanced - Object Oriented Programming, Computer Organization (Assembly related), Computational and Mechatronics Programming

## Technical Skills

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**Programming Languages:** Python, Java, JavaScript, TypeScript, HTML, CSS, C/C++, SQL, Kotlin, Swift, R

**Dev Tools:** Git, Django, React Native, ReactJS, Next.js, Node.js, Spring Boot, .NET, Kubernetes, Docker, AWS, Google Cloud, REST API, TensorFlow, PyTorch, Scikit Learn, Pandas, NumPy, Matplotlib, Streamlit

**Databases:** SQL, NoSQL, PostgreSQL, MongoDB, Google Firebase, ChromaDB

## Personal Projects

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[Supa Charge App For EVs](#) | *JavaScript, TypeScript, C++, Swift, React Native, Google Cloud, Firebase, Clerk Auth*

- Developed *Supa Charge*, a full-stack app for finding EV chargers, Made using react native it has an impressive UI along with Google Maps integration, filtering options, and real-time updates on available chargers.
- Integrated Clerk for user authentication, allowing account management, insights, and linking user data like favourites to their profiles.
- Utilized Google Maps and Places API for location search and charger info, with Firebase securely storing user data for real-time updates.

[Smart Paper Summarizer](#) | *Python, Streamlit, OpenAI, ChromaDB, Pandas, Jupyter Notebook, Docker*

- Developed an AI tool to summarize educational PDFs, using PyPDF for text extraction and OpenAI's GPT- 4 mini for generating concise, single-sentence summaries, reducing the original text by up to 99%.
- Implemented Chroma for storing and querying text embeddings, ensuring context-rich retrieval for accurate response, improving query speed by 40%.
- Designed a Streamlit-based UI for easy PDF upload, viewing, and displaying structured summaries with citations.

[Mood Atlas](#) | *React, Next.js, Node.js, Python, Java, SpringBoot, Firebase, SQL, Google Cloud, OpenAI, PostmanAPI*

- Developed a React and Next.js frontend with Google Maps API to display personalized mood-based destination recommendations, allowing users to add location preferences for a more personalized experience.
- Integrated a Python AI backend using OpenAI's LLM for generating suggestions and Google Places API for location data.
- Implemented a Spring Boot backend along with SQL for user management and Firebase for storing user favourites linked to their email. Utilized Postman for API-driven data transfer to the SQL database.

## Non-Technical Experience

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**Program Assistant** | *The Leacock Foundation, Toronto, Canada*

*June 2022 - Aug 2023*

- Worked part-time at 3 different Childers camps in my community throughout the year as a program assistant. These included summer camps, Saturday camps and math camps. Developed strong communication skills by interacting with children, parents, and staff, while also enhancing my professionalism in diverse educational and recreational environments.