

AHMED ABDULJADER

Toronto, Ontario

☎ 416-854-8762 ✉ ahmedjad@my.yorku.ca  [linkedin.com/in/Ahmed-Abduljader](https://www.linkedin.com/in/Ahmed-Abduljader)  github.com/AhmedJader

Education

York University

Bachelor of Science in Computer Science

Sep. 2023 – Apr. 2027

Toronto, ON

Relevant Coursework

- Computer Organization
- Software Design
- Front-End Development
- Advanced OOP
- Python Programming
- Java Programming
- C# Programming
- Discrete Math

Technical Skills

Languages: Python, Java, C#, JavaScript, Typescript, HTML/CSS, Tailwind

Databases: PostgreSQL, NeonDB, MongoDB, Drizzle ORM

Libraries: Next.js, React, Langchain, Ollama

Specialization: Generative AI, Large Language Models, Self Hosted LLMs, Agentic Tools, RAG Pipelines

Experience

Aether

Co-President & Technical Director University of Ottawa

Present

REMOTE

- Lead and oversee Aether's technical strategy, overseeing backend infrastructure and platform development.
- Engineered a **Linux** Ubuntu Server and Integrated a **self-hosted LLM** for a high school tech department, enabling **on-premises** AI capabilities for educational use, while adhering to **School District Data Privacy Policies**.
- Built and manage Aether's web platform, **offloading** AI and backend tasks to a **self-hosted** Linux server **reducing** serverless compute resources
- Architected and manage the club's **backend infrastructure**, including an **emailing service** and member authentication system.
- Developed a self-hosted **research platform**, allowing members to deploy LLM models, software projects, and internal tools.

Projects

Privacy Security App (AnonAlyze) | *Next.js, TypeScript, JavaScript, Express.js, OpenAI API, Apify API*

- **Winner of Best Security Hack** at **York University**, by assessing privacy risks and enhancing user awareness.
- Developed a **RESTful API** back-end infrastructure using **Express.js** to connect the front-end with external APIs, including **Apify** and **OpenAI**, enabling seamless data retrieval and privacy analysis for users.
- Enhanced app performance with **asynchronous API requests**, **modular components**, and **dynamic imports** for **faster API requests** and simpler navigation.
- Utilized **Apify API** to efficiently **scrape publicly available data** from social media profiles, enabling the identification of sensitive information and potential security risks.

Financial Management App | *Next.js, TypeScript, Express.js, PostgreSQL, Cohere AI API, Flask, Scikit-Learn*

- Built a financial management platform to help users track expenses, set goals, and analyze spending habits within 36 hours, at **University of Toronto UofTHacks 12**.
- Integrated **Cohere AI API** using **JavaScript** with **TypeScript** to provide personalized financial advice and offer users account security recommendations.
- Implemented **JWT** for secure user authentication with **Bcrypt to hash** and safely store user info alongside **PostgreSQL** for real-time financial record tracking.
- Developed a **Flask-based machine learning model** using **Scikit-Learn** to predict spending trends and optimize budgeting.

Awards

Provost Scholarship Awarded by York University: **\$500**

B.E.S.T Startup Project Awarded by York University: **\$600**

Experience Venture Award Awarded by York University: **\$325**

Best Security App Awarded 1Password Company