

# Ahmed Abduljader

Toronto, ON | [ahmedjad@my.yorku.ca](mailto:ahmedjad@my.yorku.ca) | [Portfolio](#) | [Linkedin](#) | [GitHub](#)

## EDUCATION

### York University

Bachelor of Science Honors in Computer Science

Toronto, ON

Expected Graduation Apr 2027

### Relevant Coursework

Discrete Mathematics, Programming Courses in C# , Java and Python, Front-End Development, Software Design Modeling

## EXPERIENCE

### Aether | Co-President & Technical Director University of Ottawa | [Website](#)

- 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

### AnonAlyze | [GitHub](#) | *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.

### Broke2Woke | [GitHub](#) | *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.

## TECHNICAL SKILLS

**Languages:** Python, Java, C#, JavaScript, TypeScript,

**Frameworks & Libraries:** Next.js(15+), React, Express.js, Flask, TailwindCSS(V4), Scikit-Learn

**Databases & ORMs:** PostgreSQL, NeonDB, MongoDB, Drizzle ORM

**Tools & Platforms:** Git, Vite, Clerk, Postman, Selenium, Docker, Vercel

**Technologies & Concepts:** RESTful APIs, Serverless Architectures, Authentication

## CERTIFICATIONS AND AWARDS

**Provost Scholarship** Awarded By York University, **\$500 Dollar Award**

**Lassonde BEST Startup** Awarded By York University, **\$600 Dollar Award**

**Experience Venture Award** Awarded By York University Issued by David Kwok Director of Entrepreneurship Innovation, **\$325 Dollar Award**

**Best Security Hack** Awarded By 1Password