

DEEPAM DIBYAJYOT

☎ (519)-781-1690 | ✉ ddibyajyot@uwaterloo.ca | in www.linkedin.com/Deepam | 🌐 github.com/DDibyajyot
🌐 deepamdibyajyot.me

TECHNICAL SKILLS

Languages: JavaScript, SQL, Python, C/C++, Racket

Frameworks/Libraries: Pandas, NumPy, Scikit-Learn, Pytorch, Svelte, React.js, Node.js, Next.js, Bootstrap, Flask

Developer Tools: Postman, MySQL, PostgreSQL, SQLAlchemy, MongoDB, Git Bash, SoapUI, MuleSoft

EXPERIENCE

Software Developer

May 2022 – August 2022

CAA Club Group

Thornhill, ON

- Built the company employee support portal on Next.js, supporting an userbase of over 4500 employees.
- Created and employed REST APIs in MuleSoft/SoapUI for security audits and real-time update of user info changes along with database communication.
- Led the real-time emergency deployment portal, leading to 225% faster response time to road emergencies.
- Integrated the vendor management system with the support portal for cohesive access to data for simplified response activity.

CS Representative

January 2022 – April 2022

MathSoc

Waterloo, ON

- Elected as representative for CS students to help address issues at a faculty level.
- Helped script and push resolution for ending mandatory work-term reports and introducing replacements.
- Aided in final blueprint for the construction of new Math building.

Computer Vision Developer

July 2022 – Present

Waterloo Aerial Robotics Group

Waterloo, ON

- Engineering an autonomous UAV to compete in various international UAS student competitions
- Implemented a CIFAR-10 classifier using a PyTorch convolutional neural network (84% accuracy)

PROJECTS

Portfolio Website 🌐 | Svelte, JavaScript

- * Created portfolio website for projects and experiences.
- * Used Svelte and tsParticles for overall design and working of the website.

PriceMatch 🌐 | React, Flask, Firebase, Python, Google CloudVision, PostgreSQL

- * Developed a web-app which compares grocery prices across stores using **Firebase** and **ReactJS**.
- * Leveraged **Google CloudVision** and **Scikit-Image** to recognize products at a **98% accuracy**.
- * Programmed **Flask REST API** handling transactions between Firebase, Google Cloud and React.

EDeasy 🌐 | React, Flask, SQLite, SQLAlchemy, Python

- * Developed web-app providing free open source educational resources targeted at specific grade groups.
- * Utilized **React.js** to create responsive UI and built **Flask REST API** which reduced processing times by **25%**.
- * Won **2nd prize** at **DefHacks Worldwide 3.0 Hackathon** out of 1000+ participants.

AWARDS

Pascal Contest (CEMC 2017) and Fermat Contest (CEMC 2020) - **Honour Roll**

Def Hacks Hackathon Worldwide 3.0 - **2nd Prize**

Presidential Scholarship of Distinction (awarded for an overall average of 95%+)

EDUCATION

University of Waterloo

Candidate for BCS in Computer Science

Waterloo, ON

Sept. 2021 – May. 2026