

# Yash Rohatgi

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## EDUCATION

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### University of Waterloo

*Bachelor of Computer Science*

- Cumulative average: 91.8%, GPA: 3.9

Waterloo, ON

*Sept. 2020 – May 2025*

## SKILLS

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**Languages:** Python, Javascript, Typescript, C/C++, Java, R, C#, SQL, Bash, HTML/CSS, Racket, Dart

**Technologies:** React, React Native, AWS, MongoDB, Express.js, Node.js, Bootstrap, Git, Flask, Flutter, Tensorflow

## EXPERIENCE

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### Frontend Software Developer

January 2022 – April 2022

*Brickeye (formerly AOMS Technologies)*

*North York, ON*

- Built and refined **50+** custom UI components for **React Native** mobile and **React** web applications as a part of design overhauls and the implementation of new features.
- Researched and developed **3** proof of concept applications for client-requested features using **Flutter**, **Zapier** automations, and **AWS S3**.
- Developed **150+** patches and hotfixes for UI and functional issues, resulting in **50%** fewer support tickets.

### Full Stack Web Developer

May 2021 – August 2021

*Imagine Communications*

*Waterloo, ON*

- Automated translation of **1000+** **MSSQL** functions to **PostgreSQL** using a custom **Python** script.
- Wrote automated unit tests for **40+** API endpoints using **Jasmine** and **Protractor** modules with **Typescript**.
- Developed custom **C#** database migration tool to transfer customer data from **MSSQL** to **PostgreSQL**.

## PROJECTS

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### nütrient

[github.com/rohatgiy/nutrient](https://github.com/rohatgiy/nutrient)

- Developed a daily nutrient tracker designed to help **20+** active users record nutrient consumption.
- Frontend designed using **React** with **Bootstrap** to create a robust UI with **5+** responsive webpages.
- Backend is a **RESTful API**, built using **Node** and **Express**, that communicates with **MongoDB** database using **Mongoose**.
- Encrypted passwords using **bcrypt.js**, user authentication handled using **Passport.js**.

### HoopsHub

[github.com/rohatgiy/hoopshub](https://github.com/rohatgiy/hoopshub)

- Created a Google Chrome extension that sets reminders and find streams for upcoming NBA games, published and available to download on the **Chrome Web Store**, currently serving **10+** users.
- Pop-up makes use of **Bootstrap** and custom **CSS** styling to create a clean UI.
- Uses **Javascript** for **AJAX requests** and **HTML DOM** manipulation for game time and streaming functionalities.

### ProbaBall

[devpost.com/software/probaball](https://devpost.com/software/probaball)

- Engineered a neural network to predict the outcome of NBA games using **Tensorflow** and **Keras**.
- Backend is a **Flask** application written using **Python**, redirects user to pages styled using **Bootstrap**.
- Trained model with **13000+** unique entries and performs with **60-70%** accuracy.

### MonoNote

[tinyurl.com/mononote](https://tinyurl.com/mononote)

- Built a note-taking application that stores user's notes, allowing for edit and delete functionality.
- Published to the **Google Play Store**, accumulated an international user base over the app's lifetime.
- Designed UI using **Flutter** framework and written in **Dart**. Notes stored locally using **SQLite** database.