

# YASH ROHATGI

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## EDUCATION

### BACHELOR OF COMPUTER SCIENCE @ UNIVERSITY OF WATERLOO

September 2020 - May 2025 — Cumulative average: 92.5%, GPA: 3.9

## SKILLS

**Languages:** Java, Javascript, Typescript, Python, HTML/CSS, C#, C, Racket, Dart

**Technologies:** MongoDB, Express.js, React.js, Node.js, Bootstrap, Git, Flask, Heroku, Flutter, Tensorflow, Keras, SQL

## EXPERIENCE

### FULL STACK WEB DEVELOPER @ IMAGINE COMMUNICATIONS

May 2021 - August 2021

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

## PROJECTS

### 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**.
- Passwords encrypted 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**.
- Model trained 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.
- UI designed using **Flutter** framework and written in **Dart**. Notes stored locally using **SQLite** database.