

Prajval Malhotra

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Education

University of Waterloo

Waterloo, Ontario

BACHELOR OF COMPUTER SCIENCE, DIGITAL HARDWARE SPECIALIZATION

August 2020 - July 2024

- **Term 1A**, GPA: 3.7 (83.8%) — *Designing Functional Programs, Linear Algebra, Calculus 1, Intro to Microeconomics, Written Academic English*
- **Term 1B**, Ongoing — *Elementary Algorithm Design and Data Abstraction, Linear Algebra 1, Calculus 2, Introduction to Macroeconomics, Interviewing*

Skills

Languages JavaScript, C, C++, R, Dart, Racket, HTML, CSS, MySQL

Frameworks Node.js, Flutter

Projects

HandMeDown API

Hack the North

JAVASCRIPT(NODE.JS, EXPRESS.JS, MONGODB)

January 2021

- An app that connects the underprivileged (receivers) with donors
- Created a REST API with node.js, express.js, and mongoDB to handle CRUD requests, store data on mongoDB in JSON format
- Used the GeoLocation API to get distance of Donator from Receiver, display all Receivers within a particular radius

HandMeDown

Hack The North

FLUTTER, DART

January 2021

- Worked in a team, rapidly learnt and created an app with Flutter
- Created a prototype of the app and workflow on Figma
- Learnt working in a team efficiently with the help of git, github
- Demonstrated quick learning and teamwork capabilities

Unistroke gesture recognizer

RACKET

November, 2020

- Developed an algorithm from scratch to identify drawn unicode gestures using only functional programming concepts
- Wrote tests to check correctness of code
- Consistently followed a style guide and wrote neat code

myBlogger

HTML, CSS, JAVASCRIPT(NODE.JS, EXPRESS.JS, MONGODB)

September, 2020

- A blog website that can handle CRUD requests
- Created a Model and Schema for working with the database
- Created dynamic HTML pages with ejs

Experience

Hoomans of Calcutta

Kolkata, India

VICE-PRESIDENT

April - August, 2020

- Organised events, donation drives
- Came up with creative ideas to help the underprivileged

Coding sessions

- Taught basic C++ syntax, OOP principles to high school students
- Helped clear and streamline concepts for computer science exams.

Extracurriculars and Awards

Presidents Scholarship of Distinction

University of Waterloo

AWARDED UPON ADMISSION INTO UNIVERSITY

2020

Scholar Badge

Delhi Public School

AWARDED FOR EXCELLENT ACADEMIC PERFORMANCE

2018, 2020