Dhruv Mittal

dhruv.mittal@uwaterloo.ca | +64 4379822906 | github.com/dhmi19 | linkedin.com/in/d2mittal | dhruvmittal.me

SKILLS

Languages: JavaScript, Python, Dart, Java, C, C++, Bash, HTML5, CSS3
Technologies: Firebase, Firestore, MongoDB, Flutter, ReactJS, NodeJS, ExpressJS, Git

WORK EXPERIENCE

Web Design and Development Intern | Year Zero Studios | Outstanding co-op rating   Jun 2020 – Aug 2020
- Planned, designed, and developed the first version of the FindFocus meditation app using **Flutter** in less than one month
- Increased content views by **217%** by creating dedicated webpages for blogs and podcasts, redesigning marketing graphics, and distributing podcasts on various platforms including Spotify, Anchor.fm, and the company website
- Researched **over 500 companies** in the mental health and technology industry and built the mindtech.news company directory using WordPress

PROJECTS

Subleteer | MongoDB, Express.js, NodeJS, React   Aug 2020 – Sep 2020
- Created a **NodeJS backend** integrated with a **MongoDB database**, implementing user authentication, image uploads, and geolocation queries
- Designed and developed the user interface with React, utilizing **Redux**, **React Hooks**, and **Axios** to make HTTP requests

LiveTogether | Dart, Flutter, Firestore, Material UI   Jun 2020 – Aug 2020
- Built a **Flutter** mobile application with a **Firestore** database to help students share notes, grocery lists, and bills
- Completed the project individually after finishing a **28-hour Udemy course** run in partnership with the Google Flutter team

UWScheduler, StarterHacks | Python, HTML, CSS, JS, Flask   Jan 2020
- Developed a **Python** algorithm that optimizes class schedules to suggest the most reputed professors without time clashes
- Reduced page load times by 20 seconds by **caching** professor names and ratings, received from **Flask** API endpoints

MealOfTheDay | ReactJS, ExpressJS, NodeJS, PuppeteerJS   Jul 2020
- **Web scraped** numerous pages from a recipe website using the **Puppeteer** JavaScript library to obtain data
- Built the **backend APIs** using **NodeJS** and **ExpressJS** to account for 3 factors and generate recipe recommendations

LEADERSHIP

Co-Founder | Patana Development Bank   Oct 2018 – Mar 2019
- Co-founded a student service club to provide microfinance loans to underprivileged families in Southeast Asia
- Established the club's financial infrastructure by working with the Board of Finance to ensure the longevity of the club
- Organized Bangkok's **first interschool charity hackathon** to raise over **$3000**, involving students of all ages and experience

Co-President | STOP Service club   Oct 2018 – Mar 2019
- Led club meetings and liaised with an international NGO to raise awareness against human trafficking in Thailand
- Coordinated the logistics of numerous fund-raising events, leading a team of 30 students to raise over **$5000**

EDUCATION

Candidate for Honours Bachelor of Computer Science, University of Waterloo   Sep 2019 - Present
- **President's Scholarship of Distinction**

INTERESTS
Football, Debate, Music, Basketball, Cooking