

# Vihangi Perera

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Vancouver, BC, Canada

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## EDUCATION

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University of British Columbia

Sep. 2020 - Present

Bachelor of Science - Computer Science

## PROJECTS

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### Down2meet

Built for a class - CPSC 455

- A web application built using the MERN stack that gives users the ability to effortlessly organize and plan meet-ups that also fosters an engaging social networking experience within the platform.
- Engineered the backend infrastructure with Node.js and Express.js, designing RESTful APIs to handle user authentication, friend management, and meet-up planning functionalities.
- Deployed the web application on the Render platform, optimizing server infrastructure and ensuring high availability, scalability, and seamless user experience.
- Collaborated with a team of five members, contributing to the concept ideation, code implementation, and successful deployment of the website.

### Pizza at Home

Built for the NW Plus cmd-f Hackathon 2023

- Developed a Web Application disguised as a Pizza delivery website, aimed at providing a discreet platform for reporting domestic violence incidents.
- Utilized the Cohere Natural Language Processing API to seamlessly process user input, enabling authorities to receive custom information while maintaining user confidentiality.
- Implemented HTML, CSS, and JavaScript to create an authentic and user-friendly pizza delivery website interface, ensuring a covert and non-threatening user experience.

### Insight UBC

Built for a class - CPSC 310

- Developed a comprehensive web application that efficiently queries datasets pertaining to UBC's courses and buildings.
- Utilized Typescript to build a robust and scalable back-end and designed a front-end interface using HTML, CSS, and Javascript.
- Implemented a RESTful API architecture, enabling smooth communication between the front-end and back-end, ensuring accurate and timely data updates.

### University Housing Database Application

Built for a class - CPSC 304

- Led a team of three in designing and developing a robust database application using JDBC and SQL to interact with a university housing database.
- Implemented and optimized SQL statements for efficient querying and data manipulation, used JDBC to establish a secure connection between the application and the database ensuring seamless retrieval information.

### Aritzia Stylist

Built for the Girl Code X Aritzia Hackathon 2023

- Developed a dynamic Web Application that enables users to find personalized combinations of outfits, tailored to their preferences and style.
- Utilized HTML, CSS, and JavaScript to provide an enjoyable and personalized shopping experience to users, fostering customer engagement and satisfaction.