

# VISHAL DESH

## Software & Robotics Engineer

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📍 Vancouver, BC Canada

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🐙 github.com/VDeshh

## EDUCATION

### Master of Management

#### UBC Sauder School of Business

📅 Aug 2020 – 2024 (Expected) 📍 Vancouver, BC, Canada

- Currently enrolled in the **dual degree** for **Bachelors + Master of Management**.

### Bachelor of Science

#### University of British Columbia

📅 Aug 2019 – 2023 (Expected) 📍 Vancouver, BC, Canada

- Year 4 - Computer Science.

## EXPERIENCE

### Teaching Assistant - CPSC, SCIE, DSCI, MDS

#### University of British Columbia

📅 SEP 2020 - Present 📍 Vancouver, BC, Canada

- Taught 2 Computer Science Courses in **Racket** and **Python** and **Master of Data Science** courses
- Received perfect evaluation scores from all **90+ students** in previous semesters in categories including teaching ability, communication, and preparedness.
- Led labs and office hours, curated course readings, and relayed student needs to professor.

### Software Engineer, Curated Analytics Team

#### People's United Bank

📅 MAY 2021 – SEP 2021 📍 Bridgeport, CT, USA

- Analyzed data and found the percentage of customers who left after bank was acquired by M&T Bank.
- Quantified data in the customer retention model and classified them for each branch in CT.
- Collaborated with a team of 3 interns along with the curated analytics team.

### Technical Team Lead, Control Systems

#### UBC Mars Colony Design team

📅 JAN 2020 – Present 📍 Vancouver, BC, Canada

- **Lead design and development** of high and low-level control systems for a Sabatier reactor intended for use on Mars.
- **Collaborate with the leadership team of 25 people** to define project scope based on real-life circumstances, such as the advent of SpaceX's starship.
- **Lead software and firmware subteams** to design powerful reactor control solutions.

## TECHNICAL SKILLS

### Backend

C C++ java python node.js MySQL  
Android Racket Git R firebase  
mongodb

### Frontend

HTML5 WordPress React Bootstrap  
jquery css ionic  
AutoCAD SolidWorks embedded c  
Arduino Zigbee

## PROJECTS

### Sketch-Connect

**google-cloud, css3, firebase, mongodb, express, javascript, nodejs, reactjs**

📅 AUG 2023 📍 Vancouver, BC, Canada

- Inspired by the game exquisite corpse played in elementary school. This is a 4 player collaborative doodling game built with MERN Stack.
- **CPSC 455 - Industry Practices project** going above and beyond with course material.

### GitLOVE

**biwascheme, css3, firebase, firestore, ionic, javascript, nodejs, reactjs**

📅 JUL 2020 📍 Vancouver, BC, Canada

- A **24-Hour hackathon project** which was awarded **second place** overall!
- A **progressive web app** for users to match and send scheme snippets that are run on the other user's end.

### CoviDonate

**atlas, flask, mongodb, python, react**

📅 MAY 2020 📍 Vancouver, BC, Canada

- A **24-Hour hackathon project** which won **first place** overall! It is a **Web-App** that displays local projects where users can donate money to help the charitable cause to fight COVID-19.
- Learned how to send data back and forth between our **custom API** from the backend.