

# JAITUN PATEL

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## EDUCATION

### Bachelor of Computer Science Honors (Co-op) | University of Manitoba

May 2020 - Present

- Expected Graduation: May 2025
- Topics of Interest: Software Engineering, Networks & Security

### International College of Manitoba | Honor Roll

Apr 2021

### Grader/Marker | Computer Science Department, University of Manitoba

Jan 2023 - Present

- Courses: Object Orientation Programming, Computing Ideas and Innovation
- Providing assistance to students in need, ensuring that they follow proper procedures enhancing students' learning.
- Used various softwares to run multiple submissions at once, modifying them to work with various types of files.
- Helping professors in grading assignments to ensure efficient grading thus allowing for quicker detailed feedback to the students.

## TECHNICAL SKILLS

**Back-End Development** | Python • Java • C • C++ • Processing

**Front-End Development** | JavaScript • HTML • CSS

**Development Tools** | Android Studio • JUnit • MySQL • LC-3 • Git • NodeJS • MS-office • VS code

## Personal / University Projects

### Multi-threaded Web Server | Python • C • JavaScript

Feb 2023

- Created a server using python socket library with TCP connection architecture.
- Implemented efficient data processing to fetch and deliver image and text in various data formats, such as HTML and JSON files.
- Developed user-friendly and robust APIs that enabled clients to interact with the server easily, allowing for efficient posting and retrieving data from the database, resulting in a streamlined communication system and overall enhanced productivity.

### CookMate App | Java • HSQLDB • Android Studio (Group Project)

Present

- Collaborated in a team of five to develop a user-friendly and innovative android application using the latest technologies and frameworks.
- Successfully divided the project into 4 iterations, following an agile methodology to ensure seamless implementation, design and testing.
- Created comprehensive test functions using built-in JUnit/Espresso frameworks to ensure coverage of both front-end and back-end functionalities, contributing to overall robustness and reliability of the application.

### Huffman Data Compression | JavaScript

Apr 2022

- Designed and implemented a highly efficient hash table dictionary that utilized separate chaining to prevent collisions, resulting in faster data processing and storage.
- Employed the cutting-edge Huffman encoding algorithm to construct a binary tree that efficiently encoded each character as a unique sequence of 0s and 1s, resulting in highly effective data compression.

## Certification

### IIHT Education Center | C • C++ • Web Designing • Core Java

Sept 2019 - Apr 2020

## Work Experience

### Sales Advisor | Best Buy

Aug 2021 - Present

- Identify and create complete solutions according to customer needs and lifestyles.
- Coach and direct junior employees in customer services skills, company values and selling techniques.
- Resolved customer complaints by investigating problems, developing solutions, preparing reports and making recommendations to management.