

Parm Johal

Website: parmbeerjohal.github.io

10-788 Shawnee Rd, Victoria, BC V8Z 6M9

Email: parmbeerjohal@gmail.com

(250) 891-9223 (Cell)

Education

Bachelor of Computer Science

September 2014- January 2020

University of Victoria, Victoria, BC

Expected Graduation: June 2020

Relevant Courses:

Database Systems (CSC 370);

Software System Scalability (SENG 468)

Systems for Massive Datasets (CSC 485b)

RELEVANT SKILLS

Techniques

- Code Debugging
- Web Development
- System Scalability
- Database Management
- Object-oriented programming

Programming Languages

- C
- Java
- Python
- HTML
- CSS
- Javascript

Software

- Matlab
- Linux Bash
- PostgreSQL
- MySQL
- Docker

Professional Skills

- Proficient understanding of Java programming language by developing skills such as improving time and space complexity, sorting algorithms, and dealing with data set aggregation
- experience in scaling software systems by creating multiple secure servers to communicate with each other and servicing up to 1000 users at once in an efficient manner.
- Use of HTML, CSS, and Javascript to create a landing page for a client and my portfolio website
- Established a universal math program for grades k-12 students by storing different types of files and information using PostgreSQL
- knowledgeable in C programming by formatting articles, stories, and parts of novels in various ways
- Knowledgeable in Python programming from connecting different servers and databases together
- Experience working collaboratively by working with diverse teams in both school and sports environment
- Leadership skills developed in group projects by coordinating schedules, setting up meetings, and submitting work before deadlines
- Developed a strong sense of commitment from being a varsity athlete
- Strong time management skills with the ability to stay organized while maintaining multiple commitments such as school, work, and varsity

Projects

DayTrading Inc.

January 5/2020

SENG 468, University of Victoria

- Currently building a running system for one user and then scaling it to 1000 users
- Creating our own architecture and deploying the system using Docker containers
- Constantly checking security measures and ensuring that the system runs without bugs

Universal Math Education

December 27/2019

CSC 370, University of Victoria

- Developed a database with a team by creating ER models and functional dependencies

- Implemented using PostgreSQL and Python and testing the data with sophisticated queries

Rugby World Cup predictor

April 4/2019

SENG 474, University of Victoria

- Project Report focusing on collecting massive data sets by scraping it using python, storing it into postgresql server, and mining the data to provide accurate predictions
- Achieved a 90% accuracy on predicting rugby match outcomes by implementing regression analysis

Employment History

Rev Status

August 2019-Present

Web Developing

Victoria, B.C

- Created a landing page for a client by communicating and meeting requirements
- Continuously maintaining the website by checking for bugs and adding more pages

University of Victoria

January 2017-Present

Vikes Intramurals Supervisor

Victoria, B.C

- Organizing games for UVic students
- Managing and resolving conflict between players by making quick and fair decisions

Math4Me

January 2018 - August 2019

Academic Tutor

Victoria, B.C

- Educated k-12/University students in core subjects such as Math, English, and Sciences
- Increased confidence in students by improving their grade percentage
- Communicated with parents to meet their requirements and receive feedback
- Managed 3-4 students at a time and dealing with different subjects at once.

UVic Vikes Summer Camps

July 2016 - August 2017

Camp Instructor

Victoria, B.C

- Coached kids for their improvement in soccer skills and team building
- Organized drills and games for large groups of kids