Parm Johal

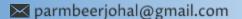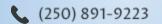✉ parmbeerjohal@gmail.com   📞 (250) 891-9223   📍 10-788 Shawnee Road Victoria, BC V8Z 6M9

🌐 parmbeerjohal.github.io   in Parm Johal

Employment History

RUN-UP RECORDS   May 2020-Present
Web Developer   *Victoria, B.C*
- Currently starting the process of creating a music website for a client

Rev Status   August 2019-Present
Web Developer   *Victoria, B.C*
- Created a landing page for a client by communicating and meeting requirements
- Continuously maintaining the website by checking for bugs and also updating it

University of Victoria   January 2017-March 2020
Vikes Intramurals Supervisor   *Victoria, B.C*
- Organized games for UVic students
- Managed and resolved conflicts 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
- Supervised 3-4 students at a time and dealt 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
- arranged drills and games for large groups of kids

Projects

DayTrading Inc.   January 2020-Present
SENG 468, University of Victoria
- Built a distributed system starting at one user and scaling it up to 1000 users
- Created an efficient architecture and deployed it using Docker containers
- Constantly checked security measures and ensured that the system ran without bugs
- Tested our running system using performance analysis and capacity planning techniques

Universal Math Education   September 2019-December 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   September 2019-December 2019
SENG 474, University of Victoria
- Project Report focusing on collecting a data set 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

IBM Summit   January 2019-April 2019
CSC 350, University of Victoria
- Reported on the architectural design of the IBM Summit by writing about its strengths, weaknesses, and overall analysis
- Compared the analysis of the IBM Summit to other supercomputers including China's Sunway TaihuLight, Switzerland's Piz Daint, and Germany's SuperMUC-NG

Education

Bachelor of Computer Science   Expected Graduation: June 2020
University of Victoria
Victoria, BC

Relevant Skills

Techniques
- Code Debugging
- Web Development
- Distributed 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, graph traversals, 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 clients 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 implementing OS functions
- 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