Manmeet Singh

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Education

Simon Fraser University

B.S. Software Systems, *School of Computing Science*   December 2021

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Advanced Database Systems, Advanced Computer Networking, Computer Architecture, Principle of Compiler Design

Technical Skills

- **Languages:** Java (Proficient), C/C++, Python, HTML/CSS, Typescript, SQL
- **Databases:** MySQL, PostgreSQL, SQLite
- **Tools/Applications**: Git, Angular, WordPress, AWS, Docker

Industry Experience

SmartOwn   *Surrey, BC*
Software Engineer Intern   May – Aug 2020

- Developed and deployed 3 new components of web application which can bind data to specific views and synchronize data with server using Sass, Bootstrap, Angular
- Maintained and improved health of existing code and functionality which was already been used in production
- Gained hands on experience in AWS provisioning and good knowledge of several AWS services like ECS, S3, ELB
- Containerized application deployment in the cloud using Docker technology

Academic Projects

Boston Housing Prices (Personal)   May – Aug 2019

- Developed supervised regressor model and analyzed data to obtain important features to predict prices for homes
- Evaluated performance and predictive power of regressor model using Python libraries like NumPy, Panda, Scikit-Learn, Matplotlib

Puck Puzzle 2.0 (CSIB 125 – Web Technologies)   May – June 2018

- Created mathematical game with two, inspired by Hockey Puck Puzzle with few alterations
- Designed game to ensure more attractive and user-friendly experience by adding custom graphics using HTML, CSS and JavaScript
- Tested complete game with all possible input combinations and determined effective solutions to complex states

Walk-In Clinic System (CMPT 213 - Object oriented design in Java)   Feb – Mar 2017

- Designed and developed a Walk-In Clinic Management system in JAVA that help hospitals to insert, update, delete and keep track of entries of patients
- Implemented SQL database and Tested the results with multiple inputs and debugged system for repetitive entries

Extra-curricular

Technical Team Member, UPES CodeChef   Aug – May 2018

- Maintained the existing website and added functionality as per requirements
- Promoted Competitive Programming by organizing workshops in teams

Technical Team Member, UPES CSI   Aug – May 2017

- Organized two coding events in a team of 3 for the Annual Fest - Uurja
- Facilitated research, learning and career enhancement programs for new entrants