

Dheeraj Kumar

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QUALIFICATIONS

Programming Languages: Produced several text-based and graphical-user-interface games in **Java**, **C** and **Python**

Web Development: Developing responsive and efficient websites using **JavaScript**, **jQuery**, **HTML** and **CSS**

Software: Experienced with **Git**, **GitHub**, **MySQL**, **Eclipse**, and the **Linux** command line from projects

Problem Solving: Apply critical thinking skills to methodically compute math and computer science problems

Leadership: Arranged staff resources and handled emergencies as YMCA Duty Manager to ensure smooth operations

Teamwork: Experienced in working with diverse individuals to finish projects by considering all intuitive ideas

EDUCATION

Bachelor of Science in Computer Science

September 2016 to April 2022

University of Calgary

Related Courses:

- **Design and Analysis of Algorithms:** Produced algorithms using many techniques given difficult problems
- **Introduction to Software Engineering:** Learned soft and technical skills to produce high-quality software
- **Principles of Operating Systems:** Used C++ and Bash to understand performance measurement, concurrent programs, the management of information, memory and processor resources
- **Data Structures and Algorithms:** Programmed data structures including trees, heaps, stacks, queues and arrays while learning about time complexity of algorithms

EXPERIENCE

Computer Science Co-op Student, Nutrien

January 2021 to December 2021

- Create **PowerBI** reports using **Power Query's** data analysis toolset to present business statistics
- Collect, analyze and store data from **REST APIs** using **Amazon SageMaker**, **Glue**, and **Athena**
- Build **NoSQL** scalable data models in **Amazon DynamoDB**

Corporate Development Intern, MAXIM Power Corp

May 2020 to December 2020

- Used data structures and algorithms in **SQL** and **JavaScript** to produce efficient web pages
- Collected and stored data from **REST APIs** using **MS SQL** and **Python**
- Created websites to store and view data using **AJAX**, **PHP**, **MS SQL**, **HTML**, and **JavaScript**

Volunteer Project Team Lead, Code The Change YYC

August 2020 to December 2020

- Collaborated with admins and team members to facilitate web development for the Tech West Collective initiative by providing assistance and guidance wherever required

Volunteer Web Developer, SEND IT ON

March 2020 to August 2020

- Created innovative web designs using **HTML**, **CSS**, and **jQuery** for a non-profit international organization to empower youth in global communities through mentorship, leadership, engagement, and education

Duty Manager, YMCA

November 2018 to December 2020

- Responded to facility emergencies, first aid requests, accidents and theft to maintain security and safety
- Worked in a team environment to provide excellent service; provided support to busy areas and anything required to ensure smooth operation of the facility

Sales Representative, Bed Bath and Beyond

September 2015 to Aug 2017

- Maintained customer focus in a high-paced environment to optimize customer satisfaction
- Stayed proactive and flexible to meet unexpected business needs

PROJECTS

Inky.io, React, Node, Google Firebase

December 2020

- Created an online multiplayer Pictionary game similar to Skribbl.io
- Developed a web app using several JavaScript libraries, Google Authentication and a NoSQL database

Alberta Health Scheduling Application, MySQL and Java

April 2020

- Created an Alberta Health application for managing appointments between health professionals and patients using the agile method Scrum
- Designed SQL queries as well as the graphical user interface

Poker, Java

December 2019

- Created Poker in a team of four to be played in a local area network using an agile approach
- Programmed the object-oriented base of the game and debugged code
- Led the group by arranging meetings and assigning tasks according to preference

Maze Game, C

December 2018

- Created a maze game using a Raspberry Pi to be played by a Nintendo Controller
- Used loops, conditional statements, variables, arrays and functions
- Searched for additional resources necessary to overcome obstacles and debug code

Star Trek, Python

December 2016

- Produced a text-based game of Star Trek in a demanding time period
- Used loops, conditional statements, variables, arrays and functions

INTERESTS

Basketball: Maintain physical wellbeing and health while interacting with the local community

Socializing: Dedicate time to build interpersonal relationships by empathizing and caring for others

Traveling: Explore new environments to experience new cultures and meet different people