Panth Thakkar

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Education

University of Guelph   Expected May 2021

Bachelor of Computing: Computer Science

Coursework

Intermediate Programming, Data Structures, Object Oriented Programming, Modelling of Computer Systems

Robert Bateman High School, Burlington, ON

- Diploma with Honours, June 2017

Programming Skills

Languages	Operating Systems and Related Tools	Programming Tools
C, Java, JavaScript, HTML, R, Git, Shell Programming, Python, SQL, Assembly, CSS	Windows, Linux, Oracle Virtual Box, Cisco AnyConnect	Eclipse, Microsoft Visual Studio, MySQL Workbench, Bracket, Sublime Text

Projects

- **Texas Hold'em Poker** - Play Texas hold'em poker as a text-based game with computer simulated opponents that will prompt you with every move if you want to bet, fold, or raise the wager in Java.
- **Slot Machine** – Play with a text-based slot machine with different payouts depending on the bet placed in Java. Place a minimum bet of 5 coins and each match you get becomes a multiplier of the bet placed.
- **Block Dodger** – Worked with 3 other students to make a game that makes you dodge blocks that are coming towards you in Java. You get 3 lives and love 1 as you get hit until 0 lives remain.
- **Monty Hall –** Built an application in R that would run the outcome of 3 door Monty Hall problem and generates a win or a lose, at random.
- **Newton's Method of Approximation –** Will determine the square root of any given number to the nearest 4 decimal places using this method using either recursion or non-recursion in C code.

Extra-Curricular

- **Teen Advisory Group Volunteering (from March 2014 to June 2015)**
  - This group helped to attract teenagers to the Courtney Park library with activities and events held once or twice a month.
- **Robotics (from December 2015 to April 2016)**
  - I was apart of the manufacturing team that built the robot and the practice field
- **Engineers Without Borders (from September 2017 to Present)**
  - Co-Logistics Executive

Experiences

- **Vital Hub (from June 2018 to August 2018)**
  - Built questionnaire tools for mental health applications using Java, SQL and JSP
  - Worked with QA and customer service to develop the appropriate features in each tool