Dev Chaudhari

[Email](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

University of Western Ontario
Major: Software Engineering
Honors/Awards: Western Scholarship of Distinction, Dean of Engineering's International Entrance Scholarship
Relevant Coursework: Programming Fundamentals for Engineers, Scripting Programming Language, Algorithms & Data Structure, Software Design and Construction, Digital Logics Systems

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EXPERIENCE

Movie Playback Button | *Software Developer*   January 2023 – April 2023
- Collaborated with a team of six to integrate existing technologies to create a custom solution for a person who is specially abled and is suffering from cerebral palsy.
- The solution created consist of a joystick and two buttons attached to a programmed Arduino which was programmed to act as a navigation tool for the user's DVD, smart T.V. or any other monitor device
- Using python for Arduino, wrote a code for the Arduino to join with a smart appliance and surf the appliance with the help of joystick including the function of pause, play, rewind, forward and going back to home

Credit | *Software Developer*   June 2023 - July 2023
- Implemented Luhn's Algorithm in Python
- The program helps to determine if the Card number entered is valid or invalid
- It also helps in determining if the Card is Visa, Mastercard or American Express

Grade Book | *Software Developer*   March 2023 - April 2023
- With the help of Java, developed a Grade Book
- The Grade Book keeps the record of a student, such as Student's name, student id, marks of different quizzes, tests, exam and information of instructor of a particular course

Substitution | *Software Developer*   July 2023 - September 2023
- Developed a prototype using C to encrypt a plaintext or to decrypt a ciphertext
- To do so, a key is used: in this case, a mapping of each of the letters of the alphabet to the letter it should correspond to when encrypt it to ciphertext
- To decrypt the message, the receiver of the message would need to know the key, so that they can reverse the process and translate ciphertext to plaintext

Mastermind | *Software Developer*   August 2023 – Present
- Developing a real life game called Mastermind in C
- The game is played by 2 people, one who sets the pattern is called codemaker and the one who cracks the pattern is called codebreaker
- To make the game like the original, the codemaker inputs a 5 to 8 letter word and the program validates command-line argument to ensure it falls within the correct range
- Once the pattern is set the codebreaker gets 6 guesses to try and crack the pattern and game ends if breaker cracks the pattern or exhaust all 6 attempts
- The program provides feedback to the player using red, green, and yellow colors:
  - Red means the letter is not in the secret word.
  - Yellow means the letter is in the secret word but in the wrong position.
  - Green means the letter is in the secret word and in the correct position.

SKILLS & INTERESTS

Programming: Python, Java, C, SQL
Interests: Long distance cycling, chess, table tennis, sports and athletics, conservation, tech innovation, Hiking