Armaan Singh Chahal

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https://armaanchahal.github.io/Portfolio/

Objective:

Accomplished web developer seeking to leverage strong collaboration and coding skills to contribute to innovative projects in a dynamic team environment.

Education:

3rd year BSc. Computing Science
Simon Fraser University
Burnaby BC
GPA: 3.50
Sept. 2022 – present

Skills:

HTML, JavaScript, CSS
Python, C++, C
MATLAB, R
DSA

Certificates:

Programming using C/C++ with an excellent grade.
Course in python with a grade of A

Volunteer:

Peer mentored for Calculus 1 and Chemistry 1 for my peers at my university.

Personal Projects:

- *Personal Portfolio Website*
  Designed and developed a personal portfolio website in HTML and CSS. The site showcases my projects, skills, and experiences, providing a comprehensive overview of my professional profile.
- *Weather Information Website*
  Designed and developed a real-time weather information website in HTML CSS & JS. The site allows users to search for cities and view current weather conditions, including temperature, forecasts, and wind speed, with dynamically updating weather-specific background images.
- *Calculator website*
  Designed and developed a feature-rich calculator website inspired by Apple's design in HTML, CSS and JS. The calculator includes basic and scientific modes, a history button, and an input display, offering a comprehensive tool for various calculations.
- *Connect-N game*
  Created a connectN game in O(n) time complexity where user decides board size and pecs needed in a row to win. Then did an analysis on time taken to create board using R with increasing board sizes.
- *Analysis for NP hard and topsis using MCDM*
  did a time analysis for NP hard problem and topsis using R and python.

University Projects:

- *Facebook clone* *CMPT 225*
  Made a Facebook clone (friendsbook) in C++ where a user can create a profile using their unique username and their credentials, can search for a profile using the username, delete a profile and display all current profiles.
- *Inefficient pop-push analysis* *CMPT 225*
  Made a stack in such a way to push and pop at the end so it traverses the whole list. Wrote the analysis into a PDF
- *Dictionary* *CMPT 225*
  Wrote a dictionary code in O(logn) that traverses an AVL tree so as to minimize time looking for the translation of a word
- *Hash Table* *CMPT 225*
  Wrote a hash table with 33% collisions. Tested with random data of two hundred 16 bit strings.