

AMNISH SINGH ARORA

Greater Toronto Area, ON | 647-885-9860 | asarora1@myseneca.ca | [LinkedIn](#) | [GitHub](#)

A programming enthusiast currently working as a coop student open to learning opportunities whenever possible.

Profile

- A detail-oriented **team player** experienced in completing group projects with excellent results
- Always learning new technical skills relevant to the software industry
- 5-star rating in **problem-solving** and **Python** on Hacker Rank

Experience

Ontario Treasury Board Secretariat (Coop Junior Programmer)

Sept 2022 - Present

- Worked as a UI developer for **ONTrack**, a large application built by integrating multiple legacy applications used by the Cabinet Office and the Treasury Board
- Contributed heavily on a **major feature redesign** that allows users without edit privileges to suggest changes against items and users with edit privileges to accept or reject those suggestions
- Fixed various **hotfix** bugs from time to time and addressed plenty of issues to make the application **Accessible** and **AODA** compliant

Projects

Sugary Pills:

- An Angular application that efficiently gathers diabetes-related data through a quick survey. The collected data is fed to an interactive reporting system, that generates dynamic graphs, on the fly, based on lifestyle choice filters.
- Utilized libraries like **Material UI** (with custom theming), **Tailwind CSS**, and **ng2-charts** (for graphs)
URL: <https://dia-ui.firebaseio.com/home>

CRUD Application:

- A **highly interactive** and **AODA** compliant web application allowing the user to create, update and delete Student and Courses records with a many-to-one relationship
- Built using **Angular** and **TypeScript** for frontend and **Node.js**, **Express.js** connecting to a **Postgres Database** using **Sequelize** module in backend
- Implemented tables with **sortable** records when clicked on column headers, **reactive forms** with a module for custom error message generation, **caching data** to optimize network calls and used Google's **Material UI** library for certain aspects like pagination
URL: <https://restful-crud-cb127.web.app/>

Weather Application:

- A fully responsive application that presents weather data for your current location and allows the user to search for other locations featuring an auto-complete mechanism for cities
- Built using **HTML**, **CSS**, and **Vanilla JavaScript** for frontend and **Node.js**, **Express.js**, **Handlebars.js**, **Cookies** and **2** external **APIS** in the backend
URL: <https://weather-today-amnish.cyclic.app/>

Technical Skills

- **Web Programming:** Able to design and deploy fully responsive websites with **HTML5**, **CSS3**, and **JS** using web frameworks like **Angular (Typescript)** and **React** (Next.js)
- **Object-Oriented Programming (OOP):** Deep understanding of both object-oriented and procedural paradigms in **C++** and **Python**
- **RDMS Development:** Proficient in creating normalized database designs and performing complex **SQL** operations using **Oracle** Database and **NoSQL** with **MongoDB**
- **Debugging Skills:** Skilled in walking through and debugging complex pieces of code using modern tools provided by Visual Studio and Browser
- **Backend Frameworks:** Experienced in creating REST APIs for web applications with **Node.js**, **Express.js** and **HTTP** along with **SQL** and **NoSQL** databases
- **Software Security:** Basic understanding of common web-based attacks like **SQL Injection/Server-Side Scripting** and their countermeasures
- **Collaboration and Version Control:** Solid ability to collaborate on projects using **Git/GitHub** and cloud platforms like **Azure Devops**
- **System Design:** Capable of creating **UML** design diagrams for software systems using Visual Paradigm

Education

Advanced Diploma: Computer Programming and Analysis

Expected in 12/2023

Seneca College of Applied Arts and Technology - North York

- President's Honor List for [FALL 2021](#), [WINTER 2022](#), and [SUMMER 2022](#)