SANJE DIVAKARAN

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EDUCATION

University of Waterloo
Computer Engineering
B.A.Sc. – Class of 2025

Scholarships
President's Scholarship

Relevant Courses
Linear Algebra (Engineering)
Calculus I & II (Engineering)
Advanced Calculus
Fundamental of Programming
Algorithm and Data Structure
Numerical Method

SKILLS

Languages
Java
Python
C++
JavaScript
HTML
CSS
SQL

Frameworks
NodeJS
Express
React
Bootstrap
Python Flask
Axios
VueJS

Tools
Git
OracleDB
MongoDB
Object-Oriented Programming
RESTful APIs
Docker

WORK EXPERIENCE

Ahead Simulation   Cambridge, ON
Software Engineer   September 2021 – December 2021
- Configured Nivdia Jetson Nano boards to host software and managed server with Docker
- Utilize Asana for Kanban to identify and address the most immediate issues that are required to further improve the software
- Assisted the product team in creating a 12 month software road map with key features and timelines to develop each highlighted.

ADP   Toronto, ON (Remote)
Software Developer   January 2021 – May 2021
- Developed and maintained an application that automatically synchronizes employee profile, compensation, and other pertinent information.
- Utilized a MERN full stack to develop the frontend, backend, database of the software.

PERSONAL PROJECTS
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YouTube Player   March 2021 – April 2021
- Created a React app where the user can search up a video on YouTube and retrieve information on them by using Axios to fetch json object from YouTube API containing all the results matching the query.
- Returns 5 recommended videos based on the query. Clicking on the specific video displays the video and the description for the video.

Income Tax Tool   November 2020 – December 2020
- Navigates through list of transactions, by date, and computes the adjusted cost base (ACB) reporting for ETFs.
- Utilizes a variety of object-oriented programming principles. Implementation of several classes, instantiate of objects, operator overloads and linked lists. Developed using C++.

Stat Goose   December 2020 – February 2021
- Developed a website using Python Flask framework to showcase stats for NBA players and teams.
- Developed REST APIs using Python Flask to retrieve played related statistics and data from Basketball Reference
- Hosted the web application using Azure Cloud

Personal Portfolio   October 2021 – November 2021
- Developed a website using ReactJS to display my experiences, projects and skills.
- Utilized various CSS animations to enhance the software using React Bootstrap
- Hosted the web application using Netflify