AANSH KOTIAN

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EDUCATION

Bachelor of Engineering

McMaster University - *Software Engineering*   Sep 2021- May 2025
- Overall Gpa: 3.7
- Dean's Honours' List 2021-2022

Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering Practice and Experience Development Basics, Digital Systems and Interfacing

PROJECTS

GreenCart|Code|(Winner)   Jan 2023 - Jan 2023
- **Figma** was utilised to design and prototype the front end of the web app, **Redux** framework implemented to manage web app states
- utilized **React.js** for the first time**,** to create the UI/skeleton of the web app
- worked with **Typescript** for the first time to aid in the design of functions that managed the user's grocery list
- employed the **Edamam Food and Grocery Database API** to give the user each product's nutritional info
- **HTML** and **CSS** were utilised to create the layout and styling of the app

Personal Website|Code   Dec 2022 - Jan 2023
- employed **Bootstrap**, **Javascript**, **HTML**, and **CSS** to conceptualize the front and back end of my personal website
- fostered a creative outlet to display projects and experiences, while simultaneously refining understanding of **HTML** and **CSS**
- glimpsed into front-end website development, by creating templates using **HTML**, as well as styling them with **CSS**

"Student Post" Webapp|Code   Oct 2022 - Nov 2022
- applied **Python**, **HTML**, **CSS**, and **Javascript** and employed **Flask** API to create the front and back end of the website
- **improved time efficiency** by **15%** and **organization** by **20%**
- implemented **Python** to create user, notes and reminder classes, structure access of URL routes, and manage logins
- to query and manipulate the User database **SQL** was employed
- utilized **HTML** to create templates and a navigation bar and **CSS** to style them
- designed **POST** forms and functions implementing **GET** requests to store and deposit user login and sign-up data
- utilised **Javascript** to create a dynamic calendar allowing users to set events
- deployed this dynamic web app using **Heroku**

"Get a Grip"|Code   Oct 2020-Dec 2021
- designed functions in **Python** in order to control and manipulate a robotic arm in the **QLabs virtual environment**
- distributed tasks efficiently as well as effectively led my sub-team in order to accomplish goals in a punctual manner
- reiterated through common concepts in **Python**, creating functions, and classes, nested loops
- operated in a team to troubleshoot and locate bugs in created code

WORK EXPERIENCE

Canoe Instructor   Jul 2022 - Sept 2022
- lead and instructed youth participants at Camp Chimo, a summer camp for children and teenager
- taught campers proper paddling techniques, safety procedures, and the importance of teamwork and communication
- provided a safe and fun learning environment, adapted to the needs and abilities of each camper

SKILLS & INTERESTS

Programming Languages: Python, Java, HTML, CSS, C, Typescript, Bash, Verilog
Frameworks: Flask, React.js, Node.js, Bootstrap, Redux
Developer Tools: Git, Github, Git Bash, Github Pages, VS Code, Jupyter Notebook, PyCharm, IntelliJ, Linux, Heroku,QLabs,Figma