Tirth Nagar
Engineering Co-op Student

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EDUCATION

Bachelor of Engineering, *McMaster University*   (Expected) 2022-2026
Relevant Courses:
- Integrated Cornerstone Design Projects in Engineering [Engineer 1P13 A/B]

SKILLS

Programming Languages	Python, Java, C, C++, HTML5, CSS, Javascript, Assembly, and LaTex
Frameworks / Libraries	React js, Curses, Pygame, TKinter, Sklearn, BS4, asyncio, aiohttp, WebRTC, MySQL
Developer Tools	Github, Visual Studio, Visual Studio Code, Firebase, Figma, Photoshop, and Adobe Premiere Pro

TECHNICAL EXPERIENCE

Project Lead / Personal Portfolio   09/2020 — **Present**
Web Development   *Personal Project*
- Developed a portfolio website Built a personal portfolio website using React.js and implemented Sanity, a headless content management system (CMS), to manage and display dynamic content on the website.
- Utilized higher order components (HOCs) to reuse code and create a more modular and maintainable codebase.
- Designed and developed responsive layouts for the website, ensuring that it was accessible and user-friendly across multiple devices and screen sizes.

Project Lead / Manga-Update-Checker   11/2022 — 12/2022
Python Development   *Personal Project*
- Developed a manga update checking script that texts users whenever there is an update available, using Beautiful Soup for web scraping and the Twilio API for SMS communication.
- Stored and managed user data, including preferred manga titles, using Firebase
- Implemented aiohttp to optimize requests and improve overall workflow efficiency, resulting in a 100% speed increase.

Project Lead / Ecoholics   07/23/2021 — 07/25/2021
Explore Hacks 2021: Grand Winner   *Hackathon Project*
- Developed an end-to-end sustainable living app, Ecoholics, using HTML, CSS, JavaScript, and Bootstrap, reducing development time by 25%.
- Utilized hashing techniques and Firebase to streamline the user login and register process, improving user security.
- Implemented a rewards system to incentivize users to recycle, resulting in a potential increase in recycling at various eco-zones owned by the company.
- Optimized the user interface for improved UX, resulting in a possible 30% increase in user engagement.

Lead Programmer / Neighbour Network   06/11/2021 — 06/12/2021
Banana Hacks 2021: First Place Winners   *Hackathon Project*
- Developed a video chatting app allowing users to connect with people in their local community to boost human interactions during COVID 19.
- Developed the video chatting app to work with different browsers and devices with no performance issues and implemented a responsive design to ensure a consistent user experience using HTML, CSS, JavaScript, and WebRTC.
- Implemented Firebase for database, authentication storage to streamline the login/register process and hashing techniques for secure data transfer.

WORK EXPERIENCE

Brand Ambassador / Domino's   05/2021 — 06/2021
Staff Advisor Contact - Available on request   *Work Experience*
- Exhibited strong attention to detail by ensuring that all event materials and promotional materials were accurately and effectively presented to customers
- Developed strong problem-solving skills by troubleshooting issues and finding creative solutions to challenges that arose during events

Library Assistant / Toronto Public Library   09/2018 — 09/2020
Staff Advisor Contact - Available on request   *Volunteer Experience*
- Developed excellent communication and customer service skills by providing assistance to patrons, including helping them to use library resources and equipment.
- Demonstrated strong organizational skills by managing schedules, coordinating with other volunteers and staff, and ensuring that events ran smoothly.