Tirth Nagar
Engineering Co-op Student

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EDUCATION

Bachelor of Engineering, *McMaster University*   (Expected) 2022-2027
Relevant Courses:
- Integrated Cornerstone Design Projects in Engineering [Engineer 1P13 A/B]
- Artificial Intelligence - Innovate Technologies [Innovate 1Z03]

SKILLS

Tools and Languages	Python, Java, C, C++, Assembly, MySQL, Git, and LaTex
Web Development	HTML5, CSS, Javascript, and React
Hardware	Arduino and 3D Printing
Productivity Software	Office 365, Github, Canva, Photoshop, and Adobe Premiere Pro
Communication	English, French (limited proficiency), Gujarati (Native Speaker), and Hindi

TECHNICAL EXPERIENCE

Project Lead / Personal Portfolio   09/2020 — **Present**
Web Development   *Personal Project*
- Developed a single-page personal project portfolio website using HTML, CSS, Javascript and Jquery.
- Programmed features include a back-to-the-top button with smooth scrolling
  and responsive text and image sizes for displays of different sizes for added user convenience.
- Improved website layout for maximized user efficiency during navigation.

Project Lead / AudiPoP   09/2018 — 09/2020
Python Development   *Personal Project*
- Programmed a music player using Python libraries such as Pygame, Tkinter, and Mutagen to create
  a visually appealing and functioning GUI.
- Developed features such as mute/unmute, volume rocker, and skip to next/previous for more functionality,
  allowing for an improved user experience and optimized code base reducing the lines of code by **17%**.

Project Lead / Minesweeper Clone   09/2016 — 05/2017
Terminal Game Development   *Personal Project*
- Engineered a terminal-based Minesweeper Clone utilizing the Curses library in C to learn more about
  the core programming concepts like Object-Orientated Programming.
- Implemented features include a menu screen for user-changeable game settings such as the minefield
  size and the number of mines, allowing for a more enjoyable gaming session for **100%** of players.

Project Lead / Ecoholics   07/23/2021 — 07/25/2021
Explore Hacks 2021: Grand Winner   *Hackathon Project*
- Developed a multi-page website using HTML, CSS, Javascript and Bootstrap to welcome the user to
  their personalized dashboard where they can redeem points for rewards such as gift cards.
- Utilized the Firebase database to streamline the login/register process, hash, and store user credentials.

Lead Programmer / Neighbour Network   06/11/2021 — 06/12/2021
Banana Hacks 2021: First Place Winners   *Hackathon Project*
- Programmed a video-chatting application using HTML, CSS, Javascript, React, and WebRTC, which
  allowed users to join calls with people in their community to promote social interactions during quarantine.
- Utilized the Firebase database to streamline the login/register process, hash, and store user
  credentials and a token system to connect to chat rooms securely and protecting your privacy.

WORK EXPERIENCE

Brand Ambassador / Domino's   05/2021 — 06/2021
Staff Advisor Contact - Available on request   *Work Experience*
- Represented the brand at events and other marketing initiatives and provided customer service.
- Assisted in content creation and provided feedback and insight on new products.

Library Assistant / Toronto Public Library   09/2018 — 09/2020
Staff Advisor Contact - Available on request   *Volunteer Experience*
- Expanded support for routine tasks and special library projects.
- Enhanced the level and quality of customer services.