

# VIRENDRA JETHRA

Brampton, ON | [vsjethra13@gmail.com](mailto:vsjethra13@gmail.com) | [linkedin.com/in/virendra-jethra](https://www.linkedin.com/in/virendra-jethra) | [github.com/VJ-13](https://github.com/VJ-13)

## EDUCATION

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**Honours Computer Science Co-op (B.A.Sc.), GPA: 3.7/4.0**

**Hamilton, ON**

McMaster University

Expected May 2025

Relevant Coursework: Data Structure & Algorithm, Software Development, Databases, Computer Architecture

Awards: Dean's Honour List, Engineering Award of Excellence

## SKILLS

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**Languages:** Python, Java, C/C++, HTML/CSS, JavaScript, SQL, Elm, Haskell, Latex

**Tools/Frameworks:** Git, Linux, VS Code, GitHub, Google Suite, Android Studio, Microsoft Suite, Figma

**Concepts:** Object Oriented Programming, Design Patterns, Agile Model, SOLID, Unit and Functional Testing

## EXPERIENCE

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**Software Developer**

**Hamilton, ON**

McMaster Natural Resources Group

May 2023 – Present

- Collaborated with a team of 2 other students to develop a **Flutter**-based mobile app that offers comprehensive information about Hamilton's green spaces and conservation areas
- Funded by the **McMaster Natural Resources Group** to build the app for the students at McMaster.

**Software Development Intern**

**Toronto, ON (Remote)**

GAOTek

Jul 2022 – Aug 2022

- Collaborated with a team of developers using **Java** in **Android Studio**, to create a BLE beacon detection app
- Contributed to software design through TortoiseSVN as part of a 50-member group.

**Programmer**

**Hamilton, ON**

McMaster SumBot Club

Oct 2021 – Jan 2022

- Successfully led a team of 4 computer science students in the development of an autonomous robot
- Designed and built the robot's software using **Python**, **Arduino**, and ultrasonic sensors.

## PROJECTS

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**Green Go** | *Flutter, Google Suite API*

May 2023

- Developed a user-friendly mobile application using Flutter, which provides students with comprehensive details about Hamilton's green spaces.
- Employed Google Translate and Maps APIs, enabling users to access the app in various languages while staying up-to-date about transit and road closures.

**Document Scanner** | *Python, OpenCV*

March 2023

- Utilizes advanced image processing techniques to accurately identify document boundaries.
- Implemented webcam and image upload functionality, enabling users to extract and save documents as image files or apply optical character recognition (OCR) for further processing

**To-do List** | *HTML/CSS, JavaScript*

Oct 2021

- Built a web application to track the user's day-to-day activities using HTML, CSS, and JavaScript.
- Implemented localStorage in JavaScript to prevent the data from clearing out when the site is refreshed.

## CERTIFICATIONS

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**IBM Applied AI Course**

Jan 2023

**Lyft Back-End Engineering Virtual Experience Program**

July 2022

**CS50x Harvard**

Nov 2020