

# ARJUN KARTHIK

Hamilton, Ontario | [LinkedIn](#) | 647-545-4019 | [kartha4@mcmaster.ca](mailto:kartha4@mcmaster.ca)

## EDUCATION

### McMaster University

Hamilton, Ontario

B.Eng.Mgt in Software Engineering and Management (GPA: 3.9/4.0)

Graduation: April 2026

- Organizations: Medical Engineering Design Team, SHAD Canada, McMaster Engineering Society, McMaster Flute Ensemble

### Glenforest Secondary School

Mississauga, Ontario

International Baccalaureate Diploma, Ontario Secondary School Diploma

Graduation: June 2021

- Organizations/Awards: Honours Student (98% Final Average), Glenforest Merit Award, Achievement in IB HL Biology, Glenforest STEM, HOSA Glenforest, Wind Ensemble

## CERTIFICATIONS

### Big Data, Hadoop, and Spark Basics by IBM

Hamilton, Ontario

- Developed a fundamental understanding of big data and knowledge of Hadoop Architecture
- Understood the applications of Apache Spark in data processing and memory management

## EXPERIENCE

### McMaster Engineering Society

Hamilton, Ontario

Data Coordinator

May 2022- Present

- Collecting and analyzing demographic data of the engineering community of 4000+ students at McMaster University
- Currently preparing a data report to further Society initiatives for the betterment of the engineering community

### Medical Engineering Design Team

Hamilton, Ontario

Outreach Team Member

November 2021 - Present

- Researched and designed an infographic on neural engineering, that would be distributed to the university community through our social media outlets
- Planned and executed a MATLAB workshop for 100+ attendees, introducing the fundamentals of how an electrocardiogram works and basic data analysis

## PROJECTS/SKILLS

### GPA Calculator

Hamilton, Ontario

- Developed a working GPA calculator for current undergraduate students to further my skills and knowledge of object-oriented programming
- The calculator is a java application that can be used by students at McMaster, University of Waterloo, and the University of Toronto
- Calculator requests the user to input their grades and an output of their current cumulative GPA is displayed
- Tools used: java, javax.swing, java.awt

### Pong

Hamilton, Ontario

- Developed the game pong for recreational use using python to further develop my skills as a python developer
- When opened, the application generates a two-player game of pong that uses user-input to function
- Tools used: python, pygame API

### Personal Portfolio

Hamilton, Ontario

- Created a personal website to showcase my experience and projects
- Tools used: react, html, css, javascript
- Made use of the emailJS API for viewers to send messages directly from my website to my email