ARJUN KARTHIK

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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