

Akshayan Balakirushnan

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EDUCATION

Western University

Mechatronics and Artificial Intelligence Engineer

- GPA: 3.7/4.00, Recipient of the Western Admission Scholarship

London, Ontario

Expected Graduation, April 2027

WORK EXPERIENCE

Accounting Assistant

Canadian Tamil Chamber of Commerce

- Filed balance sheets at the end of the month to provide a clear overview of the organization's financial position
- Led planning, promotion, and hosting of Tamil community events to boost community engagement and participation
- Organized the company's database and ensured accurate, up-to-date records were maintained for efficient data retrieval

Markham, Ontario

May 2024 – August 2024

Peer Tutoring

Lester B. Pearson C.I.

- Tutored students weekly in Grade 11 Functions to strengthen their understanding and improve academic performance
- Created customized lesson plans that boosted students' confidence and problem-solving skills
- Increased a student's grade by 12% from 73% to 85%

Toronto, Ontario

Nov 2022 – June 2023

Assistant Teacher

Sai Illam Bal Vikas

- Planned, organized, and taught well-structured lessons for students about different religions and human values
- Conducted one-on-one sessions with students to help them grasp the material, boosting final marks significantly
- Collaborated with other teachers to align the curriculum and coordinate special events for cohesive learning

Scarborough, Ontario

Sept 2022 – May 2023

PROJECT EXPERIENCE

App-Controlled Vibration Device

Team Member

- Developed a very accurate vibrating wristband mechanism that allows hearing-impaired hockey players to play hockey without worrying when the whistle is blown.
- Engineered a 3D printed case in SolidWorks, improving the durability and effectiveness of the vibrating mechanism
- Showcased our project to clients and judges, placing 3rd amongst all contenders

London, Ontario

Jan 2024 – April 2024

API-Based Movie Data Analyzer

Team Lead

- Developed a Python-based code leveraging APIs to analyze and visualize trends between IMDb ratings and social media metrics using graphs
- Effectively led and collaborated with a team of four in weekly meetings, providing constructive feedback to drive performance and enhancing the project's outcome
- Converted the raw data into a clear trend graph with Matplotlib, providing quick and effective insight

London, Ontario

Jan 2025 – April 2025

Western BAJA (work in progress)

Team Member

London, Ontario

SKILLS AND INTERESTS

Programming: Java, Python, Matlab, HTML/CSS

Developer Tools: OnShape, IntelliJ, SolidWorks