

Ajay Ramsaran

Canadian Citizen | ajay.ramsaran@ontariotechu.net | (647)-780-8850

LinkedIn: [linkedin.com/in/ajayramsaran/](https://www.linkedin.com/in/ajayramsaran/) | GitHub: [Ajay0-ORam](https://github.com/Ajay0-ORam) | Portfolio: ajayramsaran.com

EDUCATION

Ontario Tech University

Oshawa, Ontario

BEng in Software Engineering

Expected Graduation, May 2028

- o **GPA:** 4.2/4.3, President's Honours List
- o **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management & Design, Systems Programming, Software Architecture, Statistics, Discrete Mathematics

PROJECTS

Electric Vehicle Battery Health Predictor

Oshawa, Ontario

Team Lead

October 2025

- Developed a data pipeline and trained a linear regression model ($R^2 = 0.989$) to predict EV battery health using **Python** (**Pandas, NumPy, scikit-learn**).
- Led a team of 5 in designing model evaluation metrics and presenting results to stakeholders.

AI Mental Health Assistant

HackHive 2025

Backend Developer

February 2025

- Rapidly learned and applied **React, Node.js, Vite, and AI APIs** within 24 hours to develop an AI emotion companion that recognized and responded to human emotions.
- Presented the project to judges, earning positive feedback for innovation and clear communication.

Carpool Dashboarding Site - Award Winning Program

Oshawa, Ontario

Team Lead

November 2024

- Implemented **HTML, CSS, PHP, and MySQL** to design the award-winning, functional and accessible carpooling website aimed at lowering carbon emissions by 25% to 50% per person.
- Deployed site using free hosting and database services, minimizing operational costs.

WORK EXPERIENCE

Ontario Tech University

Oshawa, Ontario

Web Intern

May 2025 – April 2026

- Employed **JavaScript, SOAP, PHP, CSS, and WCAG 2.0** to develop a custom event submission form enabling automated page creation in the university's **CMS**.
- Engineered an algorithm to parse and reformat **large JSON** event datasets to meet new filters and specifications.
- Utilized **GitHub** to develop and integrate client-requested features into the Tuition Calculator, with approved changes pushed to the production environment after extensive testing.
- Supported **thousands of non-technical clients** by translating complex web concepts into plain language via email and ticketing, improving client satisfaction and response clarity.

ACTIVITIES AND LEADERSHIP

Exoskeleton Club

Ontario Tech University

Software Project Coordinator

Oct 2025 – Current

- *Simplify and delegate tasks to the Software and IT team, ensuring tight deadlines and high standards are met.*

Student Council

RS McLaughlin CVI

President

Sept 2022 – June 2023

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL, PHP, HTML/CSS, Bash, C Shell, Perl

Frameworks and Tools: Git, React.js, Node.js, Vite, SOAP, CMS integration, Linux

AWARDS

Top 5 Web Programs, 2024 (Ontario Tech) • Principal's Award for Leadership • Top 25% in Canada (CCC) • Most Improved Program (Queen's Computing Competition)