

Adsayan Kokilan

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Education

Toronto Metropolitan University

Toronto, ON | April 2029

BE. in Computer Engineering

GPA: 3.94/4.33

Coursework: Computer Programming, Electric Circuit Analysis, Mechanics, Engineering Economics, Calculus

Skills

Languages: C/C++, Python, HTML/CSS

Tools: VSCode, Onshape, AutoCad, KiCad, QT Creator

Experience

TMU BattleBots

Toronto, ON

Subteam Electrical Lead

December 2025 - Present

- Lead a portion of electrical team members within a subteam tasked with creating competition bots for smaller competitions
- Managed coordination of tasks across power distribution and control wiring
- Ensured system reliability and safety by applying circuit analysis, CAD tools, and rigorous testing protocols under competition conditions.
- Evaluate and select electrical components to optimize performance, efficiency, and safety of the robot.

Electrical Designer

September 2025 – December 2025

- Designed and optimized electrical systems for competitive robotics, including power distribution and control wiring.
- Collaborated with a multidisciplinary team to integrate electronics with mechanical and software subsystems.
- Applied circuit analysis and CAD tools to ensure system reliability under competition conditions.
- Troubleshoot and resolved electrical failures under tight deadlines to maintain competition readiness
- Documented system schematics and assembly procedures to support team knowledge sharing and future iterations.

St. Louis Bar & Grill

Vaughan, ON

Busser

June 2025 – September 2025

- Supported restaurant staff by maintaining clean and organized dining areas in a fast-paced environment.
- Assisted servers with table setup, clearing, and guest service to improve efficiency during peak hours.
- Contributed to team operations by anticipating customer needs and ensuring a positive guest experience.

Projects & Awards

Weather.io - Desktop Weather App | Python, QT Creator

January 2026

- Developed a desktop weather application using Python and Qt Creator with a responsive graphical interface.
- Integrated API calls to fetch real-time weather data and display forecasts for multiple locations.
- Implemented user-friendly features including temperature units conversion, search functionality, and dynamic icons for weather conditions.
- Applied modular code design to allow for easy updates and future feature expansions.

Additional Information

- Extensive hands-on experience in handling & assembly of electronic components
- Well versed in prototype testing in varying conditions & scenarios
- Fluent in CAD design, with heavy focus on Onshape