

Aditya Ravi

289-892-5365 | aditya.ravi@live.com | <https://www.linkedin.com/in/aditya-ravi-1b74aa241> | <https://github.com/Adityaravi8>

EDUCATION

Ontario Tech University

Bachelor of Engineering, Software Engineering, 3rd Year

Oshawa, ON

Expected to Graduate: 2027

SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS, C++, PHP

Technologies: React, Flask, Next, MySQL, MongoDB, Express, Node

Developer Tools: VS Code, GitHub, IntelliJ, WAMP, Docker, AWS

Soft Skills: Teamwork, Problem Solving, Planning, Prioritization

WORK EXPERIENCE

Infrastructure Analyst

BMO

January 2025 – April 2025

Toronto, ON

My current responsibilities include:

- Renewing certificates for critical services
- Implementing AWS Cloud Watch Alarm to monitor infrastructure performance, AWS resources

Software Developer

Ontario Tech University

June 2024 – August 2024

Oshawa, ON

- Implemented a navigation algorithm for robots that incorporated spatial and subject awareness of other robots, allowing for efficient movement alongside other robots
- Utilized ROS 2 to implement these custom features into operating on the physical agents
- Calibrated a reinforcement learning algorithm that sped up training of the models by 15 %

Full Stack Developer

Global Black Alliance Inc.

February 2024 – March 2024

Toronto, ON

- Performed cross team collaboration and requirements gathering for designing the web interface support tool for the app Real Ones
- Utilized Next JS to develop a section within the web interface support tool that permits modification of business details.
- Created a feature within the interface support tool that facilitates the deletion of duplicate business applications

Workshops Director

Ontario Tech Engineering Society

October 2022 – April 2023

Oshawa, ON

- Organized workshops for students and discuss possible workshop ideas such as Linux workshops
- Led the GitHub README portfolio workshop that taught 20 students how to use HTML to help create an appealing GitHub portfolio

PROJECTS

Chores Tracker | *Python, React, MySQL, CSS*

- Developed a Full Stack Web Application using Flask serving as the back-end and with a React front-end
- Designed a relational database model responsible for storing chores, people and associations between them
- Improved query performance by more than 40 % when looking up a person or chore by leveraging indices

Workout Tracker | *MongoDB, Express, Node, React, CSS, Docker*

- Developed a Full Stack Web Application with MongoDB, Express, React, and Node
- Designed a MongoDB database model for storing and retrieving workout data efficiently
- Containerized the application using Docker for consistent deployment.

Calculator | *HTML, CSS, JavaScript*

- Developed a user-friendly calculator interface utilizing HTML and CSS
- Engineered the core functionalities of the calculator using functional programming concepts to ensure the calculator functions accurately