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	Oshawa, ON
Bachelor of Engineering, Software Engineering	*April, 2027*

SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS, C++, PHP
Technologies: React, Flask, Next, MySQL, MongoDB, Express, Node, Spring Boot, Lang Chain
Developer Tools: VS Code, GitHub, IntelliJ, WAMP, Docker, AWS, Confluence, Jira, ServiceNow, Dynatrace
Soft Skills: Teamwork, Problem Solving, Planning, Prioritization

WORK EXPERIENCE

Full Stack Developer Intern — May 2025 – December 2025
CGI — *Victoria, BC*

- Developed and implemented an AI-powered toolkit using **Lang Chain** to automatically generate technical design documents from legacy code bases, improving documentation efficiency by **30%.**
- Led end-to-end modernization of legacy applications through AI-driven refactoring and automation, achieving **50%** cost savings and **faster** delivery for the client.
- Presented the **AI modernization strategy** to executives both on the client and internal side, demonstrating business impact and technical scalability.
- Trained and prepared **4** developers to apply the AI-assisted process for future legacy system rebuilds, ensuring scalability, consistency, and long-term adoption.

Infrastructure Analyst Intern — January 2025 – April 2025
Bank of Montreal — *Toronto, ON*

- Utilized Ansible to automate repetitive database processes resulting in **40%** improved workflow
- Implemented **10+** AWS CloudWatch Alarms to monitor infrastructure performance and AWS resources, resulting in a **30%** improvement in proactive issue detection and system reliability.

Software Developer Intern — June 2024 – August 2024
Ontario Tech University — *Oshawa, ON*

- Implemented a navigation algorithm for a group of **4** robots that incorporated spatial and subject awareness of each other, enabling coordinated movement and improving overall navigation efficiency by **20%**
- Leveraged **ROS 2** to implement over **10+** custom features, enabling seamless operation and enhanced functionality on physical agents.
- Calibrated a reinforcement learning algorithm that sped up training of the models by **15%**

Full Stack Developer — February 2024 – March 2024
Global Black Alliance Inc. — *Toronto, ON*

- Led a team of **3** students in cross-functional collaboration and requirements gathering to design the web interface support tool for the Real Ones application
- Developed a dynamic interface using **Next.js** that enables seamless modification of business details, improving administrative efficiency by **20%**
- Engineered a feature to identify and remove duplicate business applications, reducing redundancy by **30%** and enhancing overall data integrity.

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