

# Swayam Sachdeva

647-974-8586 | [swayam0815@gmail.com](mailto:swayam0815@gmail.com) | [linkedin.com/in/swayam-sachdeva/](https://www.linkedin.com/in/swayam-sachdeva/)

## EDUCATION

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### Western University

Honours BSc Computer Science

London, ON

Sep. 2022 – Apr. 2026

## EXPERIENCE

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### Web Developer

Redshift INC.

Apr. 2023 – Jun. 2023

**HTML, CSS, JS**

- Collaborated closely with organization managers to conceptualize and plan a functional, visually appealing site design that aligned with the company's brand identity.
- Translated design concepts into a fully functional website using HTML, CSS, and JavaScript, ensuring seamless navigation and responsiveness across various devices.
- Implemented interactive features and animations, enhancing user engagement and delivering an intuitive browsing experience.

### Project Developer | Assistant Manager

Western University

Nov. 2022 – Apr. 2023

**Python**

- Collaborated within a developer team to create an image detection A.I. model emulating a player in a video game.
- Devised a Python-based path-finding algorithm that generated inputs for the A.I. model to follow.
- Led and directed a team of three developers in the execution of path-finding solutions.
- Collaborated with team members to research, write, and publish a research paper detailing the development and outcomes of our image detection A.I. model.

### Project Lead | Game Developer

Robot Rampage

Nov. 2022 – Apr. 2023

**Java**

- Led the development of a single-player, multi-level video game using Java and a customized graphics library.
- Implemented custom gaming mechanics, animations, and sound effects with a customized GUI to create a captivating gaming experience.
- Worked collaboratively with another developer to create the project.

### Founder | Co-Director

Coding Club

Sep. 2022 – Jun. 2023

**Python**

- Founded and directed a coding club for high school students, creating Python-based content to teach the basics of programming..
- Taught a group of 30 students, bi-weekly throughout the entire school year.
- Worked collaboratively with an administrative team to design club and weekly curriculum.

## RELEVANT EDUCATION

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- **Computer Science Fundamentals I** | *Python*
- **Computer Science Fundamentals II** | *Java*
- **The Odin Project** | *HTML, CSS, JS, React*

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, Frontend - JavaScript, HTML/CSS

**Developer Tools:** VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Github