

# Aviraj Singh Ghatora

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## EDUCATION

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University of Toronto | Ontario, Canada

September 2021 - April 2026

Honors Bachelor of Science in Mathematics + PEY Co-op

- Minor in Computer Science
- Minor in Business and entrepreneurship

**Relevant Courses:** Software Design, Object-oriented Programming, Computer Organization, Probability and Statistics, Data Structures and analysis

## SKILLS AND ATTRIBUTES

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**Technical Skills:** Java, Python, C, C#, JavaScript, SQL, HTML, CSS, LaTeX, Shell, Excel, React, RISC-V Assembly, Git

**Attributes:** Technical problem-solving, strong communicator, analytical thinker, strong math skills, curious learner, team player, willing to lead, business-minded, troubleshooter, strong evaluation skills and fluent in English and Punjabi.

**Development Methodologies:** Knowledge of Software Development Life Cycle, Data Structures and Algorithms, UI Development, SOLID design principles, Agile development methods, UML modeling, and Design Documentation.

## PROJECTS

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**Stock Prediction App | Personal Project**

December 2023

- Used **Streamlit**, **Prophet**, and **yfinance** python libraries to make a web app that successfully predicts stock outcomes, this is done via machine learning algorithms provided in the Prophet library.

**Weather App (In Progress) | Personal Project**

October 2023

- Working on using the Open Weather API, JavaScript and React to create a weather app that displays any requested weather data for a city or country.

**Snake Game | Software Design Course project.**

December 2022

- Collaborated with a team of 4 and developed a fully functioning snake game using **Python** and various **Software-Design Patterns** such as MVC, Decorator, State, and Singleton patterns.
- Applied **SOLID** principles and used **UML** diagrams to organize how each design pattern will be implemented
- Created descriptive design documents with detailed descriptions of each class, function, progress updates, and general ideas for the project.
- Applied **Agile methods** such as **Scrum** in order to ensure timeline goals were being met, and to ensure proper collaboration within the team.

## CERTIFICATIONS

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**Introduction to CyberSecurity Certification**

May 2021

- Cisco Networking Academy

**App Design Certification**

May 2021

- Completed at Future Design School

**Entrepreneurship Certification**

May 2021

- Completed at Cisco Networking Academy

## WORK EXPERIENCE

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**Lead Video Editor | Oakville Inspired | Oakville Ontario**

July 2020

- Responsible for managing and leading a group of 5 video editors in producing video projects.
- Overlooked and approved all ideas/changes for each video project.
- Worked collaboratively and closely with the creative team to execute the creative vision for each project/video.