

# Aryan Rastogi

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## TECHNICAL SKILLS

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**Languages:** C#, C, C++, Python, JavaScript, SQL, R, VBA, HTML, CSS

**Frameworks:** React, Node.js, Flask, Pandas, Numpy, PyTorch, SQLAlchemy, Bootstrap

**Technologies:** Microsoft Office(Excel), G Suite, Git, GitHub, Jenkins

## EXPERIENCE

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### Canadian Imperial Bank of Commerce (CIBC)

September 2022 – December 2022

*Software Developer*

*Toronto, ON*

- Created website for project management and handling using **React** and **Flask**
- Used **Python** to create endpoints for information handling and database connections
- Leveraged **SQLLite3** to build and maintain lightweight databases
- Built and trained AI models to process and classify news articles using **PyTorch**
- Developed software using **Test-Driven-Development** to facilitate ongoing testing
- Handled deployment of various services on **OpenShift Container Platform**

### BMO Capital Markets

January 2022 – April 2022

*Quantitative Analyst, Global Markets*

*Toronto, ON*

- Developed and deployed business solutions such as pricing and risk models using **C#**
- Assisted with developing insights into **trading strategies** leveraging **quantitative modelling**
- Captured and displayed financial market data using **Python** and **React**
- Increased database efficiency by **15%** through refactoring system infrastructure
- Created spreadsheets to calculate correlations using **Excel** and **VBA**
- Constructed tools to automate processing of hundreds of incoming emails daily using **Flask** and **Python**

### Toronto Transit Commission (TTC)

May 2021 – August 2021

*Programmer Analyst*

*Toronto, ON*

- Worked on and completed tickets related to systems support for all departments of the TTC
- Designed and deployed responsive Intranet webpages using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**
- Created and maintained internal systems using **C#**, **SQL**, and **SharePoint**
- Worked with various departments to ensure customer satisfaction with systems

## PROJECTS

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### WeatherVibe | *HTML, CSS, Javascript - Hack The North 2020*

February 2021

- Created a **webpage** that uses location to create a playlist based on the weather at the location
- Worked with various **APIs** in **Javascript** to retrieve user location and weather
- Implemented the **Implicit Grant Flow** in order to interact with the **Spotify API**
- Utilised **RESTful** commands to work with the Spotify API and return and analyze **JSON** information
- Designed a functional webpage using **HTML**, **CSS**, and **Javascript** to interact with user

### MovieBot | *Python*

December 2020 – January 2021

- Used **Python** to integrate a discord bot for automated movie selection
- Implemented various utilities using **Discord API** to interact with users
- Used **Beautiful Soup API** to web scrape IMDB in order to return a movie when given a genre

### Conway's Game of Life | *C#*

May 2020 – June 2020

- Implemented Conway's Game of Life algorithm in **C#**
- Graphically displayed results of **algorithm** with user control
- Created and carried out **testing procedures** to ensure results of program

## EDUCATION

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### University of Waterloo

Waterloo, ON

*Candidate for Bachelor of Computing and Financial Management*

*September 2020 – April 2025*