

# Manav Patel

## TORONTO, ON, CANADA | SOFTWARE ENGINEERING STUDENT

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### Summary of Qualifications

- Experience in object-oriented programming design, developing, debugging, testing proven by multiple projects and certifications.
- Strong analytical and problem-solving skills along with communication skills and ability to convey ideas and opinions to others.
- Outstanding technical documentation skills as demonstrated by using UML diagrams, and source code specifications.
- Proficient understanding of the Software Development Life Cycle (SDLC).
- Ability to quickly learn and master new technologies, successful working in both team and self-directed settings.
- Proactive, self-motivated, responsible, multilingual, adaptable, team player, adaptability.

### Technical Skills

**Languages:** Python, C/C++, Java, SQL, HTML, CSS, MATLAB, JavaScript, C#, VHDL

**Technologies/ Developer Tools:** Visual Studio, Oracle, MySQL, Django, Git, AWS, JUnit, Jupyter, React Native, Apache Tomcat

**Operating Systems:** Windows, MacOS, Linux

### Education

**Ryerson University**

Computer Engineering – Software Option (BEng)

**September 2019 – Exp. May 2024**

Toronto, ON, Canada

### Relevant Coursework

- Data Structures and Algorithms
- Operating Systems
- Database Systems
- Microprocessor Systems
- Computer Architecture
- Software Systems
- Object-Oriented Design
- Software Design and Architecture
- Digital Systems

### Relevant Projects

**Team8 | React Native, AWS Amplify, VS Code**

**January 2022 - Present**

- Building a cross-platform (IOS and Android) app inspired by Tinder, that allows users to create an account, and find and chat with other local users for sporting or gaming events using React Native and AWS Amplify.

**Online E-Commerce Store | Java, MySQL, Apache Tomcat, Linux, NetBeans, Systems Design Course**

**January 2022 – March 2022**

- Designed and developed an ecommerce store using Java that maintains items on sale by the seller. Allows user to sell and buy items, search for items, and hold items in a shopping cart, something similar to Amazon.com but more basic.
- Used Java, NetBeans IDE, Tomcat server, MySQL database for the implementation of this project.

**manavpatel.me | HTML, CSS, AWS Route 53, VS Code**

**December 2021**

- Built the personal portfolio website using HTML, and CSS, and deployed and hosted the website on AWS Route 53.

**Movie Store DBMS | SQL, Oracle, JavaScript, HTML, React, CSS, CRUD App, DBMS Class**

**November 2021**

- Developed a management system for a Movie Store that stores, searches, and rents out movies and TV shows.
- Designed an ER-model and translated the model to a relational schema.
- Implemented using SQL and JavaScript.

**Minesweeper | Python, Pygame, VS Code**

**August 2021**

- Developed an iteration of the classic computer game Minesweeper using the Pygame library in Python.

**To-Do List Web App | Python, Django Framework, HTML, VS Code**

**July 2021**

- Created a local web application using Python, Django framework, and HTML, with User Registration, Login, Search and full Create, Read, Update, and Delete functionality.

**Book Store Application | Java, JavaFx, NetBeans, JUnit**

**March 2021**

- Designed a bookstore application with a transaction system using Java to simulate the common functions of using a bookstore.
- Used JavaFX to create a GUI that supports actions such as creating an account, adding books, purchasing, manager view, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

### Work Experience

**Lifeguard and Swim, Lifesaving, and Emergency First Aid Instructor**

**November 2017 – August 2021**

City of Brampton

Brampton, ON, Canada

- Demonstrated excellence in leadership and responsibility skills by supervising patrons in an aquatic setting.
- Collaborated with other staff when making split-second decisions in emergency situations.
- Maintain up-to-date knowledge of policies and safety to effectively aid patrons when visiting the facility.
- Provided high level of front-line customer service with team members to ensure patron needs are met in a timely manner.

### Extracurriculars/ Certifications

#### Udemy Certifications

• Python Bootcamp • Beginning C++ Programming • Mastering Data Structures and Algorithms • Machine Learning, Data Science and Deep Learning with Python • Complete Data Science Course • 100 Days of Code • Arduino Bootcamp