

# MANAV PATEL

Toronto, ON, Canada | 1-(647)-965-6728 | manav1.patel@torontomu.ca | linkedin.com/in/manavpat | [manavpatel.me](https://manavpatel.me)

## EDUCATION

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### Toronto Metropolitan University (Formerly Ryerson University)

Toronto, ON, Canada

B.E. Computer Engineering, Software Engineering Specialization

Sept 2019 - Apr 2024

**Relevant Coursework:** Machine Learning, Software Architecture; Data Structures and Algorithms; Database Systems; OOP

## WORK EXPERIENCE

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### Software Engineer Intern

Toronto, ON, Canada

FGF Brands

May 2023 – Aug 2023

- Demonstrated up-to-date knowledge and experience with **.NET** and **MVC** applications, and improved application stability.
- Collaborated with a team of **15+** members, delivering multiple projects on time, and exceeding expectations.
- Assisted with enhancing the company's Workflow Management Portal, an application that manages internal workflows.
- Tested and finetuned applications, reducing the instances of bugs by **10%**.
- Ensured accurate data transfer and mass upload through proficient data migration and precise **SQL** queries.

### Software Engineer Intern

Ottawa, ON, Canada

Lockheed Martin

Sept 2022 – Apr 2023

- Developed **150+ APIs** for web technologies using API frameworks such as **ExpressJS** and Databases like **PostgreSQL**.
- Outlined flexible and scalable data models that can be served with low latency for **2 full-stack projects**.
- Created and executed unit tests with **80%+** code coverage, which reduced the number of bugs reported by users.
- Facilitated **5+** phases of the **SDLC**, including design, coding, testing, bug fixing, and code/API documentation.

## PROJECTS

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### Online Shopping Store | [Github](#)

Mar 2022

- Developed an online store with **Java**, **MySQL**, with an average load time of **2 ms**, and **Docker** to deploy containers.
- Created **REST APIs** with a success rate of **97%+**, to enable the front-end to communicate with the back-end.
- Implemented **Kubernetes** for container orchestration, and deployed to **Google Cloud Platform**.

### Movie Store DBMS | [Github](#)

Nov 2021

- Created a movie store DBMS to store and applied **SQL** to design and implement the database schema.
- Designed a sleek UI using **Javascript**, **HTML**, and **CSS** to improve user experience.
- Applied efficient **database design** and optimization techniques to ensure fast query processing with a **98%+** success rate.
- Incorporated **Express.js** as the back-end web application framework for building **7+ REST APIs** with **Node.js**.

### To-Do List Web App | [Github](#)

July 2021

- Built a local web application with **Python** with user registration and login functionality.
- Provided full **CRUD** functionality for to-do items.
- Managed the application's back-end using the **Django framework** and received **100%** Google Lighthouse Performance rating

### Book Store Application | [Github](#)

Mar 2021

- Simulated the standard functions of a bookstore with a transaction system by creating a GUI with **JavaFX** for 3 views.
- Implemented **Java** to enforce all 4 **OOP** concepts to design the application's structure and behavior.
- Incorporated **JUnit** to conduct unit tests with **90%+** code coverage.

## TECHNICAL SKILLS

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**Languages:** Java, C/C++, Python, JavaScript/ TypeScript, SQL, C#

**Frameworks/Technologies:** JUnit, Node.js, Express.js, JEST, MySQL, Django, PostgreSQL, Oracle, Sklearn, Numpy, Pandas

**Developer Tools:** Visual Studio, Eclipse, Git, AWS, Google Cloud, Jupyter, Docker, Kubernetes, Jira, Apache Tomcat