

# Vasu Patel

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## SUMMARY OF QUALIFICATIONS

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- Experience in Object-Oriented Programming in Java and Junit through successfully completing COE318.
- Knowledge of UML and SDLC including Agile, Waterfall and Iterative methods by completing COE528.
- Excellent time management, research and organizational skills developed by participating in extracurricular activities while achieving high academic success and schoolwork.
- Excellent analytical and problem-solving skills developed through personal projects and schoolwork.
- Experience in scripting through Python projects and HTML, CSS, React and JavaScript through creating a personal portfolio website and projects in React.

## SKILLS

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- Languages: Java, Python, C, MySQL, HTML, JavaScript, React and CSS
- Tools: Microsoft Office, Google Suite, GIT, Bootstrap 5, Linux (Ubuntu) and MATLAB.

## EDUCATION

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### Bachelor of Engineering - Computer Engineering

Toronto Metropolitan University ((formerly Ryerson University))

**Expected April 2024**

Toronto, ON

- GPA: 4.01 / 4.33
- Relevant Courses: Digital Systems (COE328), Software Systems (COE318), Data Structures and Algorithms (COE428), and Object-Oriented Eng Analysis and Design (COE528).

## PROJECT EXPERIENCE

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### Bookstore Application (OOP): Java, MySQL

*School Project, 2022*

- Developed a GUI bookstore application with a group of 4 students using agile methodology.
- Implemented a state design pattern to the application and created UML diagrams such as class and use case.
- Implemented multiple classes and methods to create the application and utilized GIT for collaboration.
- Implemented and managed a local MySQL database server to store customer and books information

### Indeed Scraper: ReactJS, Python, Flask

*Personal Project, 2022*

- Indeed job scraping fullstack website created using ReactJS and flask, and supports all Indeed worldwide domain.
- Frontend is created using ReactJS and is used to take in user input and display data.
- The backend is created using flask in python and is responsible for scraping the data from the website
- The website was developed to automate job searching process and apply to applicable job listings.

### Weather App: ReactJS, CSS

*Personal Project, 2022*

- Implemented weather app using ReactJS. Utilized core React hooks to make API calls and process data.
- Used hooks to render suitable icons and information and conditional rendering based on current weather and used CSS to style the website.

### Personal Portfolio Website: HTML, CSS, JS, Bootstrap 5

*Personal Project, 2022*

- Developed and launched personal portfolio website using HTML, CSS, JavaScript, Bootstrap 5 and Git, to showcase personal and school projects.
- Used core concepts of Bootstrap 5 and HTML to create and implement page layout and components and used CSS to style the website.

## RELEVANT EXPERIENCE

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### Ryerson R3 Robotics Team

Software Controls Member

**Toronto, ON**

*Oct 2021 - Present*

- Connected with peers in weekly meetings and work sessions while meeting deadlines.
- Developed client and server python project to simulate communication between rover and driver.
- Currently learning Robot Operating System (ROS) in Ubuntu using Python to be deployed in future robots.