

# SRIVATSAN VISWANATHAN

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## EDUCATION

Toronto Metropolitan University (Formerly known Ryerson University)

September 2018 - June 2023

- **Bachelor of Computer Engineering**

## SKILLS

Languages	Javascript, Java, Python, HTML5, CSS3
Frameworks	React, Express.js, Bootstrap, Tailwind, Java Swing, Pytorch
Databases	MongoDB, SQLite
Tools	Node.js, Git, Bash, Linux
Office	Microsoft Word, Microsoft Excel, Microsoft PowerPoint

## EXPERIENCE

Frontend Developer - PvP Strategy Website

August 2023 - Present

- Designed, developed, and launched a website that contains information related to the best strategies for competitive battles for the game “Loomian Legacy”: [LoomiBase](#)
- Used **Redux** for state management for maintainable codebase
- Built **Reusable Components** like “Loomian List” and “Move List” for code efficiency
- **Optimized** filter algorithms by implementing **Hashmaps** to improve response times
- **Received Positive Feedback** from the community on user experience and **Increased Engagement**

Customer Support - Sweatcoin

October 2022 - Present

- Provided support to users of the company’s mobile app by **Addressing Technical Issues**, troubleshooting problems, and resolving inquiries in a timely manner
- Gathered feedback from users to identify unsatisfactory experiences to **Improve Overall Satisfaction**
- Created guides on technical issues to **Improve The Efficiency And Performance Of The Team**

## UNIVERSITY / PERSONAL PROJECTS

Hockey Store — Javascript, React, Node.js, HTML5, CSS3

[GitHub](#)

- Created a hockey store where a user can login, browse for hockey equipment, and purchase equipment
- Developed and maintained client-side applications using **React** to create dynamic and intuitive user interfaces
- Maintained hockey equipment information on Airtable and made use of **Netlify Serverless Functions** and **Node** to securely access API keys

Job Tracker — Javascript, React, Node.js, Express.js, MongoDB

[GitHub](#)

- Created a web application where a user can register, login, add, update, and delete jobs they have applied for, along with the ability to track the current status of applied jobs
- Developed the front-end of the website using **React**
- Stored user credentials and job details on **MongoDB**
- Created a **RESTful API** to facilitate Create, Read, Update, and Delete operations
- Utilized **Node.js** and **Express.js** for the backend to create an API for the database by using **Javascript**

- Used JSON Web Tokens to authenticate the user

## Bookstore Application — Java

[GitHub](#)

- Created a bookstore application where a client can browse through books and purchase them while the owner can maintain the books.
- Developed classes that implements a loyalty based system based off your points from purchasing books

## Hockey Database — SQLite, Java, Java Swing

[GitHub](#)

- Created a database to contain information about hockey players, teams, coaches, managers, etc.
- Provided an interface that allows the user to execute queries to update the contents of the database and to see contents of the table using **JDBC** and **Java Swing**

## University Website — React, Javascript, HTML5, CSS3

[GitHub](#)

- Created a modern website for a course at Toronto Metropolitan University: [COE 538](#)
- Implemented using **React** for component architecture
- Made use of Styled Components for styling the website

## Autonomous Ping Pong Collector — Python, Pytorch

- Designed and built a robot to move around autonomously and pick up ping pong balls
- Trained a robot to recognize and avoid objects when moving around using **Python**
- Utilized **Transfer Learning** with **PyTorch** to train an SSD MobileNet object detection model on a custom dataset with labeled bounding boxes.
- Had a consistent **Confidence Value** of over 80% for good object detection
- Managed the team's progress, ensuring that the project was on track and all members were meeting their milestones as the **Project Manager** for a one-month duration

## CERTIFICATIONS

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### Software Fundamentals

November 2021

Relevant Skills: Python, SQL, Github, Unix

## VOLUNTEER EXPERIENCE

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### Boswin Sports Camp

August 2014 - July 2014

- Supervised children during activities

### Multipolar Marauder

August 2021 - May 2023

- Maintained a blog site for the student group Multipolar Marauder at McMaster

### IEEE Computer Society Toronto Metropolitan Chapter

September 2022 - May 2023

- Maintained the website for events IEEE CSTMC held
- Helped set up for networking events

### Park Run

March 2024 - Present

- Took pictures of participants in the 5k run