

# Laxman Bashyal

[laxman.bashyal@carleton.ca](mailto:laxman.bashyal@carleton.ca) | [linkedin.com/in/laxbashyal](https://www.linkedin.com/in/laxbashyal) | [github.com/laxcu](https://github.com/laxcu)

## EDUCATION

### Carleton University (GPA: 3.9/4.0)

Bachelor of Computer Science Co-op, Algorithm Stream, Minor in Business

Ottawa, ON

Sep. 2020 – May 2025

## EXPERIENCE

### Software Engineer Intern

PointClickCare

Jan. 2022 – Apr. 2022

Mississauga, ON

- SWE Intern working on Backend for Winter 2022

### Teaching Assistant (Intro to Comp. Sci. I & II)

Carleton University, Computer Science Department

Sep. 2021 – Apr. 2022

Ottawa, ON

- Providing individual support to students during weekly office hours to ensure an understanding of core concepts
- Leading weekly tutorials to **50+ students**, assuring the weekly course content is thoroughly understood
- Grading students assessments punctually & providing sufficient feedback allowing students to learn from mistakes

### Software Developer Intern

Government of Canada

Jul. 2021 – Dec. 2021

Ottawa, ON

- Utilized the Pandas library to automate the ETL process, reducing process time & decreasing operation costs
- Validated data from **100+ sources** using control structures in scripts to load data into ETL process
- Automated the testing procedure of iTop application using **Python** script, ensuring smooth new releases

### Software Developer Intern

Hippos Software Inc.

Jul. 2019 – Aug. 2019

Brampton, ON

- Developed a responsive kiosk in **React Native** to process and cleanly render data across platforms
- Successfully integrated Hippos API into the **React Native front-end** to transfer data between client & server
- Validated React functionality with unit testing, ensuring all front-end components & functionality work as desired
- Reduced the application run time by over **90%** after the efficient implementation of data structures

### Software Engineer (Co-op)

Hippos Software Inc.

Feb. 2019 – Jun. 2019

Brampton, ON

- Documented & reported bugs found through regression testing to improve the overall software quality
- Identified primary causes of problems by **Root Cause Analysis** to coordinate with the Dev-team for solutions
- Developed bug fixes with **C#** and **.NET Framework** to enhance the overall client experience

## PROJECTS

### Restaurant Management System | JavaScript, Express.js, MongoDB, Node.js

[Source Code](#)

- Created a user friendly restaurant management system to process the creation and tracking of user orders
- Designed a **REST API** in **Node.js** with **Express** to receive & process **HTTP** requests from the client
- Utilized **MongoDB** to store relevant user data & user sessions, ensuring a secure authentication process

### Web Scraping | Python, BeautifulSoup, Pandas

[Source Code](#)

- Developed a script using **Python & BeautifulSoup** to retrieve data from the python documentation website
- Generated a data sheet using **Pandas** to store and export the data for future usage

### Maze Path Finder | Python, Algorithms

[Source Code](#)

- Implemented **Depth-First Search (DFS)** algorithm using Python to create a path finder for mazes
- Utilized the DFS graph drawing to implement backtracking & control structures, ensuring the desired path is valid

### Numerical Tic-Tac-Toe | Java, XML, Android Studio

[Source Code](#)

- Developed a Mario-themed numerical tic-tac-toe app on **native android** using **XML** and **Java**
- Implemented player mechanics with scores, reset, and play again functionality to improve the user satisfaction

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C#, JavaScript, HTML/CSS

**Frameworks/Tools:** React/React Native, Flask, MongoDB, Express, Node.js