

LAVLEEN BHACHU

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A Computer Science and Mathematics student with development experience in Python and Golang, computer networking, and backend development, who aspires to gain further real-world experience with frontend development.

SKILLS

TECHNICAL

- Go, Python, Java, HTML
- Kafka, Postgres, Helm, Skaffold, Mockery
- Kubernetes, Docker
- AWS

PROFESSIONAL

- Easily adaptable to new environments
- Quickly pick up on languages and frameworks
- Eye for design and aesthetics

LANGUAGES

- English (Native Speaker)
- Punjabi (Native Speaker)
- Hindi (Native Speaker)
- French (Reading and Writing)

EDUCATION

BACHELOR'S OF SCIENCE (H.BSC.), MATHEMATICS AND COMPUTATIONAL SCIENCES

University of Toronto Mississauga, ON
September 2020 – April 2026

RELEVANT COURSES

- Discrete Mathematics (MAT202)
- Software Design (CSC207)
- Software Tools and Systems Programming (CSC209)
- Numerical Methods (CSC338)
- Introduction to Cryptography (MAT302)
- Linear Algebra (MAT240/MAT247)

EXPERIENCE

SOFTWARE DEVELOPER - BACKEND (CO-OP)

Auvik Networks Inc. | Waterloo, ON

Sept. 2023 - Aug. 2024

- Worked alongside the Data Layer team to develop microservices to aid in the migration and backup of both internal and client data, with the use of Golang and an event-driven message architecture (ie. Postgres, Kafka, Kubernetes)
- Participated in regular brainstorming and collaborated during design process development in an Agile Scrum framework
- Monitored and recorded the performance of team services with Datadog to ensure they were working as expected and to notify the team of any issues or dangers to the services.
- Tested code using CI/CD pipelines built with Helm, Skaffold, and Mockery to ensure the implemented code worked as expected and integrated with the existing code without issues.

PROJECTS

ARTIST PORTFOLIO WEBSITE

Personal Project

May 2025 - Present

- Created a personal artist portfolio website to further improve my web development skills and display my artwork in a curated fashion.
- Learned the basics of React.JS to convert a traditional website into a React-based website, making it more responsive for users.
- Learned the basics of UI/UX development to ensure the website is accessible and puts the best work on display.

ACCOUNTABILLY

Personal Project

Mar 2023 - Present

- Created a Discord productivity bot using the discord.py Python library to keep track of a list of tasks and remind the user to relax muscles and take breaks during work sessions.
- Used object-oriented programming in Accountably's implementation to help it keep track of the users' task list and symptoms list.