

## EDUCATION

University of the Fraser Valley

Abbotsford, British Columbia

*Bachelor of Computer Information Systems*

*Expected Graduation May 2025*

- **Concentrations Software:** *Development, Artificial Intelligence*
- **Related Coursework:** Computing in python, Object-oriented programming, Discrete mathematics and Robotics

## EXPERIENCE

ObjectBright Inc.

Richmond, BC

*Backend-Developer, co-op*

*May 2024 - August 2024*

- Constructed modular serverside applications with Laravel that streamlined data management processes, as a result, 25% reduction in response time for client queries and optimizing overall system performance for over 10,000 daily users.
- Authored comprehensive script-based tools utilizing Python that addressed three major inefficiencies in legacy data handling methods; findings resolved key issues causing system crashes during peak processing times with significant long-term impact.
- Built server-side logic using **PHP, Laravel, Python, or Java**, ensuring efficiency and scalability.
- Optimized database queries in **PostgreSQL and MongoDB and Oracle**, reducing response times and accuracy by 78.32%.
- Improved code quality and system reliability by implementing CI/CD pipelines using Jenkins.

Whole Human Foundation

Vancouver, BC

*WordPress-developer, intern*

*May 2023-August 2023*

- Developed and maintained responsive WordPress websites for clients across various industries, ensuring optimal performance and user experience.
- Crafted responsive website designs by leveraging coding skills in HTML, CSS, JavaScript, and PHP to deliver projects on time while reducing client requests for revisions by 30% through effective communication of technical possibilities.
- Created and integrated custom plugins to extend website functionality, including advanced forms, membership systems, and e-commerce solutions.
- Executed comprehensive analysis leading to significant reductions in page load time; identified key bottlenecks contributing to delays and resolved three major issues that previously caused user drop-offs.
- Collaborated with UI/UX designers and project managers to deliver mobile-friendly and SEO-optimized websites, increasing organic traffic by 65%.
- Implemented secure payment gateways and WooCommerce functionality for e-commerce clients, facilitating transactions of up to \$50K/month.

## ACHIVEMENTS AND ACTIVITIES

Dean's List

- Academic outstanding with an overall CGPA of 3.90 *UFV Winter-2022* and a CGPA of 3.74 *UFV Fall-2024*

Robotics Team

*UFV FALL-2023*

- Lead a team comprising of 28+members with an expertise in **microcontroller programming** using Arduino and Raspberry Pi platforms.
- Designed mechanical components using **CAD software** (e.g., SolidWorks, Fusion 360) and fabricated prototypes with 3D printers and CNC machines.
- Applied principles of **electronics** to create sensor systems for obstacle detection and navigation.
- Programmed robots in **C++**, **Python**, and integrated libraries for efficient performance.

## SKILLS

**Programming/Markup:** HTML, CSS, JavaScript, React, Node.js, Python, C++, Haskell, Prologue, SQL.

**Technical/Programmatic:** Data Structures and Algorithms, Machine Learning, Microsoft Excel.

**Languages:** Punjabi, English, French, Swahili

**Interests:** Soccer, Video Games, Doodling, Body-building.