Ibadatt Singh Aulakh

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**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*

* Used PHP, Laravel to develop scalable server-side applications, integrated databases, and ensured the reliability of APIs supporting high-traffic client-facing systems.
* Generated python scripts to extract, filter and manipulate data from different files export them to the oracle database and make git-ignore files accordingly.
* 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 May2023-August 2023*

* Developed and maintained responsive WordPress websites for clients across various industries, ensuring optimal performance and user experience.
* Customized themes and templates using **HTML**, **CSS**, **JavaScript**, and **PHP**, aligning with client branding and design specifications.
* Created and integrated custom plugins to extend website functionality, including advanced forms, membership systems, and e-commerce solutions.
* Optimized website speed and performance, achieving load times under 3 seconds by compressing images, leveraging caching tools, and refining server configurations.
* 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*
* Academic outstanding with an overall CGPA of 3.78 *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.