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<https://simul-portfolio.vercel.app/>

## SIMUL BISTA

A dedicated individual  
looking for software  
developer roles.



## EDUCATION

Information Technology Solutions  
(Dean's Honors List)  
Humber College Institute of Technology &  
Advanced Learning – IGS Campus, Toronto  
Jan 2022- Sep 2023 (*Expected completion*)

BSc. Computer Science and  
Information Technology  
St. Xavier's College, Tribhuvan  
University, Nepal  
Oct 2011- Feb 2016

## EXPERIENCE

### Student

Jan 2022 - Present

Humber College, Toronto

- J2EE-Database-Programming-using-Servlets (n-tier architecture)
- Java CRUD applications (staff, product, and customer record management) that uses swing and JDBC to create a user interface and connect with SQL server.
- Java applications that perform CRUD operations on binary and text files.
- A C# console application where user can make individual/mass IT equipment purchases (laptop, monitor plus randomly generated accessories) based on the user choice. The project utilizes various data structures and design patterns.
- Travel website design using HTML, CSS, and vanilla javascript.  
(<https://simulbista.github.io/G6Travels/pages/blog.html>)
- Humber College's Employee Event Website design using html, css, bootstrap and vanilla javascript (<https://employerengagement-event.vercel.app/>).
- Android cooking application (<https://github.com/dennx2/android-cooking-app/>)
- Analysis of the Factors that Affect Bus Delay in Toronto using big data technologies such as Hadoop (hdfs), hive and spark.
- "Prediction/Analysis of prices of diamonds" using regression models (Python - Pandas, NumPy, Seaborn).

**Innovation Business Partner, NLAB**

Mar 2021 - Jan 2022

**Technical Support Assistant, NLAB**

Nov 2020 - Feb 2021

**IT Assistant, IT**

Mar 2020 - Oct 2020

**IT Support, IT**

Oct 2019 - Feb 2020

**IT Trainee, IT**

Oct 2018 - Sep 2019

World Vision International

- Liaise with global teams, external partners, and consultants to design and scale innovative solutions - blockchain based digital transaction platform, interactive gamified mobile application, e-commerce platform, etc.
- Design, development, and management of intranet and covid info portal.
- Digitization of "Child & Adult Safeguarding Training" using Moodle based platform.
- Design and development of multiple PowerBI dashboards.
- Provision of IT services (support, troubleshooting, orientation & monitoring) to staffs of national office, 3 field offices and over 30 partner organizations.
- Web IT Service desk ticketing system (Service Now, Spiceworks) and inventory system management (Manage Engine), and knowledgebase update.
- Development of video uploading system using Microsoft's SharePoint and power automate applications.
- Document design – proposals, case studies and reports.

## **IT Support**

St. Xavier's College

Aug 2017 - Sep 2018

- Design and development of attendance system and student feedback system, and orientation provision.
- Document design – flyers, notices, brochures, etc.

## **Java Web Developer - Internship**

DesignCo Nepal

Sep 2015 – Jan 2016

Design and development of ERP system for a local dairy company using JAVA and SQL Server 2014.

## **SKILLS**

- JAVA, C#, JavaScript, Node.js, Express.js, J2EE, JAVA Servlets, Swing, JDBC, .NET, Maven, Web APIs, AJAX, XML, JSON, HTML, CSS, Tailwind.css, PL SQL, Oracle, Hadoop (HDFS), Hive, Spark.
- OS: Windows, Linux
- Other: AWS, GIT, WordPress, Oracle Virtual Box, Microsoft PowerBI, Active Directory Management, Microsoft Office 365, Forms, One-drive, SharePoint.
- Learning (in process): AWS, Android App Development

## **RESEARCH INTEREST & INVOLVEMENT**

- “Java Programmer” certification from Leapfrog Academy (May - July 2018)
- AWS Certified Cloud Practitioner Certification (on going)
- Paper published - The impact of Software Defined Networking on the network infrastructures of enterprise networks and the growing ISP industry of Nepal” at the Eighth National Students’ Conference on Information Technology (NaSCoIT 2016 journal). (Aug 2016)
- PowerBI certification from Mentor Institute of Technology (Sep 2019)
- “Course Owner Moodle Training” certification from World Vision (June 2020)

## **OTHER INVOLVEMENTS**

- Organized Humber College’s Employee Engagement Event – Summer 2023
- Volunteer Computer Lecturer at St. Paul Edu. Center, Nepal (July 2016 – Feb 2020)
- Emergency volunteer experience - post-earthquake relief distribution and sanitation programs conducted by the Society of Jesus and the Rotaract Club. (May 2015)
- Emergency volunteer experience - Bardia Social Camp for relief distribution to the flood affected victims. (Nov 2014)
- Social camp participation - Ghandruk Social Camp involving cleanliness and teaching programs at the local community and school. (Aug 2013)

## **FREELANCE PROJECTS**

- Redesigned a US based restaurant portal using WordPress CMS - <https://everestcuisinecolumbus.com/>.
- Created a python program that blocks YouTube and Facebook on a windows OS during certain duration.
- Developed a map containing pop ups of gyms and restaurants of my home town, using python and Pandas.
- Created a bash script to rename folders based on the name of the file contained inside it.