SIMUL BISTA

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HIGHLIGHTS OF QUALIFICATIONS

- Recent graduate with a distinction of **89.8%** from Humber College's "Information Technology Solutions" program (Aug 2023).
- Bachelor's degree in Computer Science & Information Technology from St. Xavier's College.
- Over two years of experience in designing robust web applications, leveraging **JAVA (Spring Boot)** and the **JavaScript stack (Node, Express, React, and Angular),** and proficiency in designing **RESTful APIs** along with **SQL** and **No-SQL** (**MongoDB**) technologies.
- Leadership skills demonstration through the development of prototype healthcare web applications, featuring a modularized codebase with **15 REST APIs** (**ExpressJS** & **NodeJS**) that fetch data from **MongoDB** for display in a **ReactJS**-based frontend.
- Committed team player with a strong passion for continuous learning, constantly seeking to acquire and implement new tools and technologies.
- Fluent in multiple languages: English, Hindi, and Nepali.

TECHNICAL SKILLS

Languages:	JAVA, JavaScript, TypeScript, SQL, HTML, CSS
Tools & Frameworks:	Spring (Boot, MVC, Data JPA, Security, AOP), J2EE, NodeJS, ExpressJS, ReactJS, AngularJS, JUnit
Others:	REST API, Microservices, Maven, AWS, GIT, JWT, MongoDB, Postman, Material UI, Tailwind CSS

RELEVANT EXPERIENCE

Software Developer   Aug 2023
Humber College, Toronto, ON

- Collaborated with 2 developers to design a full-stack web application, "Budget Buddy", providing capabilities for personal expense and income tracking, collaborative group finance management, and user authentication.
- Developed more than **25 REST APIs** that seamlessly interacted with MongoDB, enabling data retrieval, manipulation, and rendering in the **ReactJS**-based front-end.
- Utilized a tech stack that included **JAVA**, **Spring Boot**, **Spring Mongo**, **Spring Security**, **REST APIs**, **ReactJS**, **MongoDB**, **GIT**, and **Maven** as the build tool for the project.

Team Lead, Full Stack Developer   May 2023 - Aug 2023
Holland Bloorview Kids Rehab – Bloorview Research Institute, Toronto, ON

- Led a team of 3 developers in designing a robust web application utilizing microservices architecture with **MongoDB**, **ExpressJS**, **ReactJS**, **NodeJS**, and **JWT**, incorporating features such as surveys, dashboards, and user authentication, enabling accurate measurement of patient progress over time.

Research Associate   Jul 2023 - Present
Sir Sandford Fleming College, Toronto, ON

- Developed a web application using **ReactJS** and **Firebase**, interfacing with **generative AI** model **APIs** to modify images based on user prompts.

Innovation and IT *(Promoted **3** times)*   Oct 2018 - Jan 2022
World Vision International
Innovation Business Partner, Nepal Innovation Lab
- Designed and scaled **3** digital solutions – blockchain-based digital transaction platform (**reach of 100,000 plus people**), interactive gamified mobile application, and educational online marketplace (**reach of 50,000 plus children**) by liaising with global teams, external partners, and consultants that resulted in disaster risk reduction, enhanced cash programs during disasters and improved book access to the community.

Technical Support Assistant, Nepal Innovation Lab
- Supported to maintain and scale the digital solutions of the lab that supported the most vulnerable communities in areas like education, disaster recovery, health and many more.

IT (Assistant, Support & Trainee)
- Designed, developed, and managed the organization's intranet that led to a substantial increase **(100%)** in staff engagement and productivity.
- Accomplished data-driven decision-making for the organization's business processes by designing and developing **4** PowerBI dashboards.
- Provided timely, proactive, and efficient IT services (support, orientation & training) to about **300+ staff** improving the rating of the department and the business process in general.

PROJECTS

(More projects can be accessed at https://simul-portfolio.vercel.app/)

- **Pet Management App - [PawfectPal](#)**
  - A **JAVA Spring boot** pet management application that allows the user to manage pet information (CRUD operations).
  - **Spring MVC**, Tomcat server, H2 db., **Spring JPA**, Lombok, command line runner, Thymeleaf (form binding, fragments, conditionals), and bootstrap.
- **Restaurant App - [Saffron Express](#)**
  - A restaurant web application that performs CRUD operations on different restaurant entities.
  - **Java Spring Boot**, **Spring Data JP**A, **REST APIs**, **Maven**, Spring Dev Tools, H2 in-memory database, Lombok, Postman, Thymeleaf, Bootstrap
- **E-commerce platform – [Petal Express](#)**
  - A specialized e-commerce platform delivers various flowers, offering authentication, product information, order, and cart management features.
  - Two frontends – one in ReactJS and the other in AngularJS communicating with a single backend in ExpressJS and NodeJS.
  - **ReactJS, AngularJS, NodeJS, ExpressJS, MongoDB, JWT, Vercel**

EDUCATION

- **PG Certificate, IT Solutions – Dean's Honors (89.8%)**   Jan 2022 - Aug 2023
  Humber College, Toronto ON
  - **Relevant Coursework -** JAVA Programming, DB Programming using JAVA, Data Structures & Design Patterns, J2EE Web Components, J2EE Business Components, Enterprise Application Modeling, Web Programming Framework

- **Bachelor's Degree in Computer Science & IT**   Oct 2011 - Dec 2015
  St. Xavier's College, Nepal

OTHER INVOLVEMENTS
- Volunteer Frontend Developer at **'The DG Sentinel'**   Apr 2023 - Present
- **Humber College**'s Employee Engagement Event Organizer (event portal design)   Mar 2023
- Volunteer Computer Lecturer at **St. Paul Edu. Center**, Nepal   Jul 2016 – Feb 2020