SIMUL BISTA

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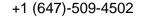
Results-oriented software developer with a track record of driving innovation, managing multiple projects from inception to completion, and a strong commitment to community impact.

EDUCATION

PG Certificate, IT Solutions – Dean's Honors (89.8%)   Jan 2022 - Aug 2023
Humber College, Toronto ON
Bachelor's Degree in Computer Science & IT   Oct 2011 – Dec 2015
St. Xavier's College, Nepal

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, AWS, GIT, JWT, MongoDB, Material UI, Tailwind CSS

EXPERIENCE

Research Associate   July 2023 – Present
Sir Sandford Fleming College, Toronto, ON

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

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.

Innovation Business Partner, NLAB   Mar 2021 - Jan 2022
World Vision International

- Designed and scaled 3 innovative solutions - blockchain based digital transaction platform, interactive gamified mobile application, and e-commerce platform 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, NLAB   Nov 2020 - Feb 2021
World Vision International

- 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), ICT   Oct 2018 - Oct 2020
World Vision International

- 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.

- 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   July 2016 – Feb 2020

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

Finance Management Web App – Budget Buddy
- A full stack web application which provides features such as personal expense and income tracking, collaborative group finance management and user authentication.
- Spring Boot, REST APIs, ReactJS, MongoDB, Spring Security

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

Pet Management App - PawfectPal
- A JAVA Spring boot pet management application that allows the user to manage pet information (CRUD).
- Spring MVC, Tomcat server, H2 db, Spring JPA, Lombok, command line runner, Thymeleaf (form binding, fragments, conditionals), and bootstrap.

Book-Library-XML-REST-API
- XML REST API Spring Boot Application that provides different API endpoints to manage books in H2 in memory database.
- Java Spring Boot, Spring Data JPA, XML, REST APIs, Maven, Spring Dev Tools, Jackson, Jaxb, H2 in-memory database, Lombok, Postman

Restaurant App
- A restaurant web application that performs CRUD operations on different restaurant entities.
- Java Spring Boot, Spring Data JPA, REST APIs, Maven, Spring Dev Tools, H2 in-memory database, Lombok, Postman, Thymeleaf, Bootstrap

Friend's Info Management App
- A J2EE Web app to create, delete, update and view friend's information.
- Java Enterprise Edition, MVC Framework, MYSQL Database

User Management App
- Customer record, product, and staff management applications that read-write to text/binary files.
- JAVA, JDBC, SQL

Restaurant App
- A web app about restaurants that fetches and filter restaurant records from MongoDB and lists them.
- NodeJS, ExpressJS, Mongoose, MongoDB Atlas, Thunder Client

Ontario RRSP & Tax Calculation Mobile App
- An android application that calculates RRSP & TAX info for the year 2022 with data validation.
- JAVA, XML

Android Cooking App
- A cooking mobile app with recipe listing and details, account management, filter & recommendation features.
- JAVA (intent, shared preferences), XML, JSON