



## EDUCATION

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| <b>Postgraduate Certificate, IT Solutions</b><br>Humber College, Toronto ON (Dean's Honors List) | <b>Jan 2022- Aug 2023</b> |
| <b>Bachelor's Degree in Computer Science &amp; IT</b><br>St. Xavier's College, Nepal             | <b>Oct 2011- Feb 2016</b> |

## SKILLS

- Back-end technologies: Java, Spring Boot, Spring MVC, REST API, Spring Data JPA, Spring Security, J2EE, JAVA Servlets, NodeJS, ExpressJS
- Front-end technologies: ReactJS, AngularJS, HTML, CSS, Material UI, Tailwind.css
- Database technologies: MongoDB ,Oracle PL/SQL, MySQL, H2 Database Engine
- Others: GIT, Maven, XML, JSON, JWT, Lombok, Postman, Thunder Client, Thymeleaf, Eclipse, Visual Studio Code, Vercel, Linux, Bash Scripting, Android App Development

## EXPERIENCE

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| <b>Research Associate</b><br>Prestige Electric, CAMIIT, Sutherland Campus,<br>Sir Sandford Fleming College, Toronto, ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>July 2023 – Present</b>                                                             |
| <ul style="list-style-type: none"><li>• Researched on different AI image generation machine learning models to connect to their APIs, and performed the conversion based on specific prompts.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                        |
| <b>Team Lead, Full Stack Developer</b><br>Holland Bloorview Kids Rehab – Bloorview Research Institute, Toronto, ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>May 2023 – Aug 2023</b>                                                             |
| <ul style="list-style-type: none"><li>• 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.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                        |
| <b>Innovation Business Partner, NLAB</b><br><b>Technical Support Assistant, NLAB</b><br><b>IT (Assistant, Support &amp; Trainee), ICT</b><br>World Vision International                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Mar 2021 - Jan 2022</b><br><b>Nov 2020 - Feb 2021</b><br><b>Oct 2018 - Oct 2020</b> |
| <ul style="list-style-type: none"><li>• 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 for disaster risk reduction, cash programs and improved book access to the community.</li><li>• Designed, developed, and managed the organization's intranet that led to a substantial increase in staff engagement and productivity from previously low levels.</li><li>• Accomplished data-driven decision-making for the organization's business processes by designing and developing 4 PowerBI dashboards.</li><li>• Provided timely, proactive, and efficient IT services (support, orientation &amp; training) to about 300 staff improving the rating of the department and the business process in general.</li></ul> |                                                                                        |

## OTHER INVOLVEMENTS

- Volunteer Frontend Developer at 'The DG Sentinel' **Apr 2023 - Current**
- 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

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### **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