

# Sanjib Barakoti

Scarborough, ON, Canada M1R 2V8

226-346-8466 | [sanjibbarakoti@loyalistcollege.com](mailto:sanjibbarakoti@loyalistcollege.com) | [linkedin.com/in/sanjib-barakoti/](https://www.linkedin.com/in/sanjib-barakoti/) | [sanjib-12.github.io/portfolio](https://sanjib-12.github.io/portfolio)

---

## SUMMARY

- 1 year of professional experience in design, development, and deployment of web applications.
- Solid understanding of object-oriented design, data structures, algorithms, and software design patterns.
- Proficient with web development technologies and experienced in building responsive and dynamic web applications.
- Well-developed communication, teamwork, analytical and problem-solving skills developed through campus projects and industrial experience.

---

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Java.
- **Web Technologies and Libraries:** JavaScript, React, Node.js, TypeScript, HTML/HTML5, CSS/CSS3, php, REST, Bootstrap, Express, Tailwind, AJAX, JSON, p5.js.
- **Databases and Source Control:** MySQL, MongoDB, PostgreSQL; GIT, GitHub.
- **IDE:** VS Code, PyCharm, Eclipse, MATLAB, Sublime.
- **OS:** Windows, Linux, Mac; Office packages(Word, Excel, PowerPoint)

---

## EDUCATION

**Ontario College Graduate Certificate** (Computer Software and Database Development) January 2023 – Present  
Loyalist College in Toronto (**Available for 4 months internship starting May 2024**)

**Bachelor of Engineering** (Electronic and Communication) August 2017 – July 2021  
Ramaiah Institute of Technology, Bangalore, India

---

## WORK EXPERIENCE

**CitizenInfotech Pvt. Ltd. Nepal (*Junior Software Developer*)** Oct 2021 – Aug 2022

- Involved in design, development, and testing of a MERN stack-based web application in an agile environment.
- Developed various NodeJS Restful APIs and Created reusable UI components and using React, Bootstrap, HTML and CSS as per the requirement.
- Documented all related work as per company's methodology and participated in code reviews and knowledge transfer sessions.

---

## ACADEMIC PROJECTS

### E-commerce Website

- Developed a PHP-based e-commerce platform with MySQL, featuring essential pages like homepage, product, about, cart, and user login/signup.
- Implemented a secure user authentication system, order tracking, and personalized user experiences.
- Created an intuitive admin panel for administrators to manage products, monitor user activity, and oversee order processing.

## Crowd Anomaly Detection

- Designed and developed a real time system to detect the abnormal behavior of the crowd using computer vision.
- Through the video surveillance system, individuals and their movements are monitored. If any abnormal behavior, such as sudden movement, is detected, an alarm is triggered, signaling the occurrence of an abnormal event.
- Algorithm like Shi-Tomasi Corner Detection, Lucas-Kanade Optical Flow were used for the optical flow calculations.
- Used python programming language and its packages like OpenCV, NumPy.

## PERSONAL PROJECTS

---

### Movie Database

- A backend server simulation project that allows CRUD operation on the MongoDB database.
- Implemented authentication, authorization, and access control.
- Features like Json Web Token (JWT) for user session, custom errors handlers and middleware for data processing.

GitHub Url: <https://github.com/sanjib-12/Movie-Database>

### URL Shortener

- Service side application to accept URL from user and return the short version.
- Used, Node. Express, MongoDB, TypeScript and nanoId.

GitHub URL: <https://github.com/sanjib-12/URL-Shortner>

### CosmoJet

- Developed a user-centric website using HTML, CSS, (Tailwind CSS), and JavaScript to create a visually appealing and responsive interface.
- Applied UI/UX design principles to craft an engaging and functional website, featuring a clean layout, initiative navigation and aesthetically pleasing components with mobile-friendly design.

GitHub URL: <https://github.com/sanjib-12/CosmoJet>

## VOLUNTEER AND EXTRA CURRICULAR EXPERIENCE

---

Ramaiah Institute of Technology, Bangalore

- Secured third position in interdepartmental Bridge Building Competition hosted by the Civil Engineering Department.
- Participated in blood donation drive and various sports events.

## ADDITIONAL TRAINING

---

<b><i>MongoDB NodeJs Developer Path</i></b> Online (MongoDB University)	Dec 2023
<b><i>Microservice foundation and architecture</i></b> Online (LinkedIn Learning)	Jan 2024
<b><i>Introduction to Cybersecurity</i></b> Online (CISCO)	Jan 2024
<b><i>Angular The complete Guide</i></b> Online (Udemy)	Oct 2023- Present

**Hobbies:** Exploring New Places, Cooking, Playing Instruments Like Guitar and Flute, and Space Exploration.