# Sanjib Barakoti

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## SUMMARY

- Versatile and results-oriented aspiring software developer proficient in a diverse range of programming languages.
- Solid understanding of object-oriented design, data structures, database management and software design patterns.
- Proficient with web development technologies and experienced in building responsive and dynamic web applications.
- 1 years of professional experience in design, development and deployment of web applications

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Java,
- **Web Technologies and Libraries:** JavaScript, React, HTML/HTML5, CSS/CSS3, Node.js, Express, REST, Bootstrap, Tailwind, TypeScript, AJAX, JSON, p5.js
- **Databases and Source Control:** MySQL, MongoDB, PostgreSQL; GIT, GitHub
- **OS and IDE**: Windows, Linux, Mac; Visual Studio Code, PyCharm, Eclipse, MATLAB, sublime,

## WORK EXPERIENCE

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

- Involved in design, development and testing of a web application which uses modern web technologies and frameworks.
- Created reusable components and features using react, HTML and CSS as per the requirement.

## ACADEMIC PROJECTS

**Human Crowd Anomaly Detection** Jan2021 – Aug 2021

- A real time system designed and developed to detect the abnormal behavior of the crowd using the computer vision.
- Using the video surveillance system, people and their movement are tracked and as they show any abnormal behavior by suddenly moving an alarm is raised indicating that an abnormal event has occurred.
- Algorithm like Shi-Tomasi Corner Detection, Lucas-Kanade Optical Flow are used for the optical flow calculation and Python programming language and its packages like OpenCV, NumPy were used during the implementation of this project.

**8-bit Carry Select Adder** Sep 2019 – Nov 2019

- Designed and developed 8-Bit Carry Select Adder, circuit, and Layout to enhance the computational speed of logical operations.
- Used Microwind and DSCH during the implementation of this project.

**All my other personal project is in my GitHub**: https://github.com/sanjib-12

## EDUCATION

**Ontario College Graduate Certificate (**Computer Software and Database Development**)** January 2023 – Present
**Loyalist College in Toronto**

**B.E(**Electronic and Communication**)** August 2017 – July 2021
**Ramaiah Institute of Technology, Bangalore, India**

## VOLUNTEER EXPERIECE

- Participated in blood donation drive, different sports events organized by college and worked as a volunteer.
- Secured third position in interdepartmental Bridge Building Competition hosted by the civil Department.

**Exploring New Places | Cooking | Playing Instruments Like Guitar and Flute | Space Exploration**