Gaganjot Singh

GitHub | (647)-839-6456 | **jotgumber2002@**gmail.com | **LinkedIn** | **Web Portfolio**

OBJECTIVE

Ambitious and result-oriented Computer Programming and Analysis student with extensive experience in JavaScript, Next.js, Python, and C++ seeking a co-op opportunity in IT Enterprise Services to apply my technical skills and contribute to strategic initiatives and success of the organization.

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, C, C++, HTML, CSS

- **Frameworks/Libraries:** React, Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS

- **Databases:** SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Redis)

- **Other:** Data visualization tool (Power BI), DevOps (GitHub), Agile methodologies, Jira, UI/UX design, Data Structures & Algorithms, CI/CD (GitHub Action), RESTful APIs, web performance optimization techniques, Unified Modeling Language (UML), MS Office

EDUCATION

Seneca Polytechnic, Toronto   *Sep'22 – present*
Computer programming and Analysis

CERTIFICATIONS AND ACHIEVEMENTS

- JavaScript certified (Udemy course)
- Got President's Honour List in semester 1, 3 and 4 in CPA (Computer Programing and Analysis) Seneca.

TECHNICAL PROJECTS

- **Web Portfolio:** Developed a responsive portfolio web app using Next.js and Tailwind CSS, with smooth animations implemented via AOS library. gaganjot-singh.vercel.app

- **Museum app:** For my WEB422 course, I developed a secure Museum Artwork application using Next.js and Node.js, incorporating user authentication with JWT and persisting user data (favorites and search history) to MongoDB Atlas. The project involved creating a user API, integrating authentication and authorization, and ensuring a responsive and user-friendly interface. museum-app.vercel.app

- **2D board game:** For my DSA456 course, I implemented various data structures such as hash tables, stacks, queues, overflow and deques, along with building an AI for a board game using game trees. It covers key concepts such as algorithms, data management, optimization, and Python programming. Gaganot-Singh/2d-board-game (github.com)

- **Airbnb listings clone:** Frontend development using React and Next.js to construct a UI for a Listings API, incorporating components such as navbar, page headers, listing cards, listing details, and pagination. airbnb-listings-clone.vercel.app

- **Toy Store:** Developed project with EJS template engine for PostgreSQL data rendering, Quotable API integration, and MongoDB Atlas for user management. Tailwind CSS with DaisyUI plugin used for UI design, featuring login history tracking. https://toy-store-49to.onrender.com/

- **Movie App Api:** Developed a robust movie search API using Express.js framework, with Redis caching for optimized performance. https://github.com/Gaganot-Singh/api-movie-app

- **Enrollment System:** Developed a RESTful management web application utilizing Sequelize ORM and PostgreSQL, featuring functionalities for adding/removing students and courses, and login/logout functionality. https://enrollment-system-qe6k.onrender.com/

PROFESSIONAL EXPERIENCE

Seneca Polytechnic – North York, ON   *Jan'24 to Present.*

Peer Tutor (Part Time)

➢ Conduct one-on-one tutoring sessions for students in various subjects, including Web Development (frontend and backend), Data Structures and Algorithms, Software Analysis and Design, JavaScript, Python, React, Next.js, C, C++, SQL, MongoDB, Bash Scripting

Seneca Polytechnic – North York, ON   *Aug'23 to Dec,23*

Supported Learning Groups Leader (Co-op tutor)

➢ Successfully managed and facilitated student learning groups for courses in C++, C, Linux, and JavaScript.

➢ Assisted students with their Front-end project and course instructor with course logistics.

Gumber Metal Works   Dec*'21 to July'22*

Jr. Web Developer (Trainee)

➢ Collaborated with the development team utilizing React framework to conceptualize and execute a dynamic web catalogue.

➢ Contributed to the implementation of search and filter functionalities, leveraging JSX, components, and layouts to optimize user navigation.