SANYAM GUPTA

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TECHNICAL SKILLS

- **Programming languages:** JavaScript, Typescript, HTML/CSS, Java, Python, C/C++, SQL
- **Frameworks**: React, Redux, Svelte, Mithril, Bootstrap, Express, Django, Flask, Node JS, Flutter
- **Tools:** Git, VS Code, Jira, Postman, Insomnia, Docker, Heroku, Google Cloud Platform, Google Big Query, AWS
- **Certifications:** React – The Complete Guide, Web Development Bootcamp, Introduction to Artificial Intelligence

WORK EXPERIENCE

Software Developer Intern | *Geotab Inc.*   Aug 2023 - Present
- Contributed to the development of Geotab ITS's Altitude platform using React, Mithril, Svelte, JavaScript, TypeScript, HTML, and CSS, focusing on enhancing end-user functionality by implementing new features.
- Contributed to increasing unit test coverage from 40% to 80% using Jest and Test Cafe, bolstering software reliability.
- Improved code base health through ongoing stress testing, bug fixing, and efficient code refactoring and modularization.

Data Analyst Intern | *Geotab Inc.*   May 2022 - Aug 2023
- Contributed to the development of datasets and SQL queries to monitor team-wide key performance indicators for quarterly reviews and insights for senior executives.
- Designed data-driven dashboards, pipelines, and geospatial charts using Python, Google Big Query, SQL, Apache Superset, and Apache Airflow, aiding stakeholders in data analysis and decision-making.
- Developed APIs with CRUD operations to provide data accessibility to software developers and business stakeholders.
- Actively participated in the Student Experience Committee, organizing social events and webinars to enhance the internship experience for fellow interns.
- Served as a panelist in a career pivoting discussion for interns, sharing personal experiences in transitioning from a business to a tech-oriented role.
- Backed 2nd place in an intern case competition with a sustainable packaging solution and 3rd place for a smart start-stop vehicle interface utilizing smart city infrastructure.

Full-Stack Developer | *Emerge GX*   May 2021 - Apr 2022
- Contributed to the development of an interactive educational platform using React, Firebase, Node.js, and Stripe, facilitating real-time interaction between instructors and students during live lectures.
- Collaborated closely with UI/UX designers to enhance user experience, translating design improvements into code.
- Conducted thorough stress testing to detect and rapidly address critical software vulnerabilities such as Cross-Site Scripting (XSS), SQL injection, and Cross-Site Request Forgery (CSRF), ensuring the software's security and integrity.

Research Assistant | *Beedie School of Business, SFU*   Jan 2021 - Sep 2021
- Developed a Python-based web crawler to collect and parse 1 million+ medical site reviews, prepping the data for Natural Language Processing (NLP)
- Supported professors' research using Python and pandas for data analysis, created data-driven insights with Matplotlib and Plotly, and delivered findings to inform decision-making.

PROJECTS

Personal Portfolio | *sanyamgupta.com*
- Designed a responsive personal portfolio using React to showcase professional and developmental experiences.

Sorting Visualizer | *sanyam233.github.io/sorting-visualizer*
- Created a responsive web application using React to visually illustrate the functionality of various sorting algorithms, including Merge Sort, Quick Sort, Selection Sort and Bubble Sort.
- Enhanced the user experience by integrating features such as play, pause, and speed adjustment controls.

Connect. | *github.com/Sanyam233/connect*
- Developed a chat messenger web application in JavaScript and Python, utilizing Socket.IO and Flask.
- This platform enables users to seamlessly create, join, and exit chat rooms, fostering real-time communication.

EDUCATION

Simon Fraser University | *Bachelor of Business Administration*   Sept. 2018 - Apr 2024
- **Major:** Management Information Systems
- **Mentorship:** Computing Science Peer Educator/Tutor