

MANMEET SINGH

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[Github](#) ◇ [LinkedIn](#)

SKILLS

Frameworks	NextJS, Sveltekit, Node.js, React Native, Bootstrap, Tailwind CSS
Libraries	React.js, Redux, Mongoose, Passport.JS, Express, Springboot, Scikit-learn
Languages and Technologies	JavaScript, TypeScript, Swift, Python, HTML, CSS, Java, C++, C
Databases	SQL Server, PostgreSQL, MongoDB, Firebase

EXPERIENCE

Backend Web Developer Jul 2022 - Aug 2022
The Big Leaf (Reason for leaving: End of Project) *Toronto, ON*

- Played a key role in the development of a health application for senior citizens in a collaborative cross-functional team, resulting in a 30 percent increase in user engagement within the first month of launch.
- Implemented robust authentication endpoints using passport.js, resulting in a 40 percent reduction in login errors and ensuring seamless user sign-up and login processes.
- Facilitated easy communication between senior citizens and caretakers, resulting in a 25 percent decrease in response time to emergency requests and enhancing overall well-being.

PROJECTS

Plantify Jan 2023 - Apr 2023
NextJS, TypeScript, Stripe, MaterialUI, Passport.JS, Redux, Mongoose, MongoDB

- Designed an e-commerce marketplace for selling 100s of plants in BC, impacting more than 10 users.
- Utilized Passport.JS for Google and Facebook OAuth and for maintaining JWT tokens for user sessions.
- Integrated Stripe API to handle secure and fast transactions on plant seller postings.
- Implemented type-safe database models using Mongoose, which handled users, postings, and successful orders.

Sentiment Analysis for Restaurant Reviews Sep 2023 - Oct 2023
Python, Numpy, Matplotlib, NLTK, Scikit-Learn, Pandas

- Preprocessed 1000 reviews with solid NLP practices such as lemmatization, stemming, and tokenization.
- Trained a Naive-Bayes text classification model with an accuracy of 75%, computed using the confusion matrix.
- Hypertuned the model parameters with GridSearchCV, which resulted in an 8% increase in accuracy.
- Modelled data regarding sentiment categories and model metrics using bar graphs and scatterplots.

FlashChat Dec 2023 - Feb 2024
Swift, Xcode, Firebase Auth, Firestore, SwiftUI

- Orchestrated the development of a chat app using real-time event listeners on Firestore schemas.
- Processed and stored 100s of messages between multiple clients, and had a sub 1-second latency.
- Implemented MVC design patterns ensuring clear separation of concerns and streamlining development with distinct layers for data, presentation, and user interaction and schemas.
- Leveraged SwiftUI to optimize interface development speed by 30%, hence making the app more user friendly.

EDUCATION

Bachelor of Science in Computer Science September 2026 (Expected)
Simon Fraser University