Surabhi Nag

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TECHNICAL SKILLS

- **Languages**: Python, C, C++, Java, JavaScript, TypeScript, HTML, CSS, R
- **Technologies**: React Native, ReactJS, NextJS, NodeJS, Firebase, MongoDB, MySQL

WORK EXPERIENCE

Thrive Health, Vancouver | Software Development Co-op   Jan 2023 – Aug 2023

- Developed **React** components to enhance the user interface, focusing on creating a seamless and intuitive experience.
- Conducted comprehensive unit testing utilizing **Selenium**, ensuring the robustness and reliability of the software.
- Implemented code to generate charts and graphs, effectively visualizing and tracking dynamic data trends, fostering a data-driven decision-making environment.
- Implemented database migrations to streamline data management processes and enhance system efficiency.
- Resolved software issues and bugs promptly, contributing to the overall stability of the application
- Played a key role in weekly integration testing, ensuring seamless integration of various components and features within the system.

Hope Media House, Vancouver | Software Development Intern   Mar 2023 – Dec 2023

- Built an industrial shipping cost calculator using **JavaScript** for a B2B food and produce marketplace
- Devised an algorithm to **optimize** shipping charges using rates from multiple local shippers.
- Developed user interfaces using modern **JavaScript** framework, **React Native** for iOS and Android mobile applications.
- Remodeled the functionality of a native application by enabling both clients and vendors to access unique user sessions from the same code base.
- Reduced user reported bugs by identifying root causes and fixing them improving client satisfaction.
- Coded custom CSS elements for several Shopify stores and Wordpress sites.
- Collaboratively worked with a team of four to design and develop the company website on Wordpress.

PROJECTS

Appetite | Restaurant Search Application   Jul 2020

- Built a ReactNative app for searching restaurants by cuisines and dishes using Yelp API.
- Developed an interactive UI using reusable React components.
- Implemented React Navigation between multiple screens within the app.

Neat Blog | Blogging Application   Jul 2020

- Designed an application that allows users to create, edit, and delete blog posts.
- Assembled a JSON server API which acts as a database within the application.
- Optimized performance by using useReducer hook for state management.

EDUCATION

3rd Year Bachelor of Science, Computer Science Major   Sep 2020 - Dec 2025
The University of British Columbia, Vancouver, Canada

Relevant Courses
Computation, Program and Programming (Racket), Models of Computation, Software Construction (Java), Intermediate Algorithms and Data Structures, Introduction to Relational Databases (SQL), Computer Hardware and Operating Systems (C), Machine Learning and Data Mining (Python)