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<https://github.com/harjotk03> | <https://www.linkedin.com/in/harjotsingh7> | <https://www.harjotsinghkooner.com/>

Languages: **JavaScript**, Python, Java, C++, **TypeScript**, HTML, **CSS**

Tool: **React**, NodeJS, MongoDB, Tailwind CSS, **REST APIs**, AWS S3, Flask, Figma, Postman, Git, Github, **Redux**

Skills: **User Experience Design**, **UI Design**, DOM Manipulation, Problem Solving, Creativity, Adaptability

Education

Bsc. Computer Science & Interactive Technology, Simon Fraser University

September 2021 – May 2026

Technical Experience

Director of Web Development, SFU Robot Soccer

February 2024 – Present

- **Doubled user engagement** & significantly improved mobile accessibility by implementing responsive UI
- Enhanced website performance by **reducing load times by 75%** through utilization of Vercel for hosting

Student Developer, SFU Computing Science Student Society

January 2024 – Present

- Elevated user experience and usability by redesigning all UI components across the site making it cohesive
 - **Improved development efficiency by 72%** through developers using these components with params
 - Enhanced **maintainability & scalability** by implementing best practices for **code design and system design**
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Projects

Study Spotr

August 2024 – Present

React, Google Maps API, NodeJS, JWT, MongoDB, ExpressJS

- Full stack application to easily find places to study or work near users location or anywhere in the world
- Integrated **Google Maps API** to display interactive maps and location markers
- Achieved **88% reduction data fetch times** by using React Hooks & handling API requests using Axios
- 78% faster response times by **optimizing backend APIs** performance with efficient database queries & middleware
- Implemented best practices in **front-end architecture**, for performance, security, and usability

SFU Robot Soccer Website

January 2024 – Present

ReactJS, Google Firebase, TailwindCSS, JavaScript

- Utilized **React Hooks** to efficiently grab and manage information from Firebase & enabled **real-time data fetching**
- Optimized database queries to **reduce data retrieval times by 95%**
- **Increased website traffic by 55%** through improved design and functionality

EcoGrow

July 2024 – August 2024

Java

- Garden simulation game designed to provide entertainment to users through playful interactions
- **Zero code redundancy** through use of **encapsulation** to safeguard data in **abstract classes** & develop interfaces
- Implemented **Polymorphism** to allow dynamic method binding, enhancing code reusability and extensibility.

Pharmabotics

May 2024 – August 2024

ReactJS, TailwindCSS, NodeJS, Express, MongoDB, C++, Arduino

- Improve medicine dispensing & accuracy with automated dispenser synced to database & secure interface
- Allowed for efficient **CRUD** actions with a professional dashboard style user interface
- Achieved **84% accuracy in sensor readings** and responses from 6 integrated sensors and actuators
- Developed **C++** application to facilitate real-time control and monitoring of 6 hardware components
- **Improved data handling performance by 95%** through optimized queries and state management