

MAHIM CHAUDHARY



📍 Burnaby, British Columbia ✉ mca265@sfu.ca ☎ +1(778)680-9081 🌐 <https://github.com/mahim2003> 🌐 <https://www.linkedin.com/in/mahimchaudhary>

SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, TypeScript, SQL, HTML, CSS
- **Other Technologies:** Git, Linux, Windows, Visual Studio Code, IntelliJ IDEA, BlueJ, Tailwind CSS, ReactJS, Three.js

TECHNICAL WORK EXPERIENCE

CJSF 90.1 FM – Front End Web Designer

August, 2023 - Present

- Deployed and maintained a fully functional and responsive website using JavaScript libraries such as React and other scripting languages such as HTML5 and CSS3
- Implemented various functionalities such as enabling the uploading of audio content to the website and making it easily discoverable using keywords
- Utilized RESTful API to send requests from CJSF website to the CJSF mobile app in order to obtain certain features

TECHNICAL PROJECTS

Personal Portfolio Website

Present

- Created a personal portfolio website using various JavaScript libraries such as Three.js, React and other languages such as CSS (Bootstrap) and HTML
- Used various npm packages such as React Router DOM in order to allow dynamic routing between different pages of the website
- Incorporated some complex 3D elements in the website using Three.js and its renderers and packages such as react-three-fiber react-three/drei

s-talk: Simple Chat Facility

October, 2023

- Developed a multi-threaded chat application using pthreads and UDP sockets, allowing real-time communication between two users on separate terminals
- Demonstrated proficiency in Unix socket programming and synchronization techniques, utilizing mutexes and conditional variables to ensure secure and efficient message handling across threads

Battleship

August, 2023

- Added several additional features such as AI difficulty levels, game cards, music volume, background themes, and randomized ship positions using PyGame
- Implemented various refactoring techniques in order to eliminate the code smells

RESTful API: Quote Generator (nwHacks 2023)

January, 2023

- Created a React-based client-side application that interacts with a RESTful API by sending an HTTP GET request
- Made use of State Management in order to hold and update the data fetched from the API

CERTIFICATION

JavaScript Algorithms and Data Structures

- Learnt and utilized Object Oriented Programming and Functional Programming
- Created an Algorithm using JavaScript to calculate the orbit of the International Space Station

EDUCATION

Simon Fraser University, Burnaby, BC, Canada

Fall, 2021 – Expected Graduation Date: Fall, 2025

- Currently enrolled in and completed 21 courses which involved courses like Introduction to Software Engineering, Data Structures and Programming, and Database Systems