

# MD. TANVIR RAHMAN KHAN

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**Portfolio-website:** <https://tanvirkhan.netlify.app/>

## ABOUT ME

I am a full-stack developer interested in building creative applications. I am enthusiastic because there are endless opportunities for a creative mind. Building a complex system poses unique challenges. I like to solve problems in unique ways.

- I have worked on both the Front-end and Back-end of web development.
- I am experienced with different types of databases (relational and non-relational).
- I contributed to an Android and Java project for Food inspection in a team of five.
- I have worked on Data structure and Operating systems.
- I did a few AI projects on Python in school.

## EDUCATION

### **Simon Fraser University**

Bachelor of Science in Computer Science

January 2016 – April 2021

#### **Courses Completed:**

Data Structures- CMPT 225, 307

Database- CMPT 354

Hardware Language- CMPT 295

Software Engineering- CMPT 276,475

Networking-CMPT 371

Web Development- CMPT 470

Cloud Computing- CMPT 474

Image-Processing-CMPT 414

## SKILLS

- **Programming Languages:** C/C++, Python, Java, Go.
- **Scripting Language:** Html, CSS, Pug, J-Query.
- **Back-end:** NodeJS, PHP, JavaScript, TypeScript.
- **Framework:** React, Express, WordPress, Bootstrap, Redux.
- **Database:** MongoDB, SQLite, MySQL, PostgreSQL.
- **UI/UX:** Figma, sketch.
- **VCS:** GitHub, GitLab

## Work-Experience (Technical)

Web designer (Jan 2022-Present)

Arctic Development Management Club, Vancouver, British Columbia, Canada.

## PERSONAL PROJECTS:

**DineIn:** DineIn is a catering website where catering services can upload their menus, weekly menus and users can order food. Users can log in and search based on their location. Location is a String. Users can look up the menu and order using the number given. Services and Users can also edit their menus and information. [Nodejs, JavaScript, Html, CSS, Pug, MongoDB.]

**Alan AI News:** Alan Ai news is a news application powered by voice commands. Users can ask for headlines based on categories, terms, sources, etc. Users can also ask the AI to read the headlines one by one. [React, Alan AI, News API.]

**My article Blog:** This is a simple application for me to post my articles. I can post an article with a photo. After I log in, I can delete or update my articles. This application supports CRUD operations. On every page, the number of articles is limited to 4 by pagination. [ PHP, MySQL(local), Bootstrap]

[E-commerce store: React / Commercejs, Weather-App: Node.js, Pig-game: Js]

[Many more in GitHub, description in portfolio website]

## SCHOOL PROJECTS:

**Food Inspector:** This application gets its data from the Fraser Health website about restaurants inspections. When a user starts the application, it starts with a map around the user showing all the restaurants around him. The restaurants have the name and severity of the last inspections with an icon. If the user clicks on it, it shows the list of the inspections based on the date. The inspections are listed with the color of the most severe inspections e.g. (red, orange, yellow). [Android, Java, Google Location API.] (SFU Git special permission needed)

**Nuke Seeker:** The user must clear all the nukes with the least number of scans. When a user clicks on it shows how many are in the row and column. The user can also set the board size from the options menu. [Android, Java]

**Tic-tac-toe:** User plays against the computer. The computer uses the Monte-Carlo Tree method to simulate its move before making it, almost impossible to beat. [Python and AIMA Python library.]

**Also worked on:** I have worked on Data structures on C++, AI on Python, Operating Systems on C, Networking on Python, Database on SQLite, Hardware on X86, serverless application on Amazon cloud and Google cloud, Dynamic Programming on C++, and requirements engineering. [Stored on GitHub]

## Work-Experience:(non-technical)

I have worked as a chef for Domino's Pizza for 4 months. During the time I learned to be:

- Friendly and how to keep a positive attitude.
- Customer Service.
- Good communicator.