Parth Chheda

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EDUCATION

University of British Columbia Vancouver, BC

Bachelor of Science in Computer Science *Expected Graduation Date: May 2027*

- GPA: 91.4%
- 2023W Dean's Honor List

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Java, C/C++, Python, R
Frameworks/Libraries: React, Node.js, TailwindCSS, Express, Mongoose, dotenv, Puppeteer, React Router, Styled Components, JUnit, tidyverse/tidymodels
Developer Tools: Git, Postman, VSCode, IntelliJ, Eclipse, MongoDB, Vite

TECHNICAL PROJECTS

FPL Helper | *React, Node.js, Express, MongoDB, TailwindCSS* Link | July 2024
- Developed a full-stack single page web application to compare soccer player data on the Fantasy Premier League (FPL) game and provide information trends in the FPL playerbase using Node.js and Express to serve a RESTful API to the front-end made using React and TailwindCSS
- Utilized the Puppeteer library for web scrapping to collect information on over 1000 soccer players 3 different soccer statistics sites and stored the data on a MongoDB database
- Leveraged React Rotuer to enable dynamic client-side routing and styled responsive web pages using Tailwind CSS
- Created a REST API using Node.js to serve data to the frontend, and tested API endpoints using Postman
- Leveraged built-in React hooks and TailwindCSS to dynamically highlight statistics in which certain soccers players perform well

Movie Database | *React, Node.js, Express, MongoDB, CSS* Link | June 2024
- Created a full-stack movie database using React and CSS on the fronted, Node.js and Express on the back-end, and stored ratings on movies using MongoDB to display information and rate over 100,000 movies
- Persisted user movie ratings provided by users in a MongoDB database, serving the data and performing CRUD operations on the front-end by developing a REST API using Node.js and Express
- Established a connection to the TMDB API to fetch data on the movies using JavaScript asynchronous functions and React hooks and displayed them using reusable React components and styled using vanilla CSS

Personal Portfolio | *React, TailwindCSS* Link | May 2024
- Built a personal portfolio to display my work and projects using React and TailwindCSS
- Designed a responsive UI using TailwindCSS through breakpoint prefixes and CSS Grid and Flexbox layouts, testing the UI on multiple resolutions using Chrome DevTools

Heart Disease Predictor | *R, tidyverse, tidymodels* Link | April 2024
- Co-lead a team of 4 to develop a K-Nearest Neighbour prediction model that predicts whether a person could be suffering from a heart disease
- Trained the model with data on patients with and without heart diesease, considering variables such as cholesterol levels, age and resting heart rates, resulting in a model accuracy of 67% and a recall of 69%
- Supported the analysis of data with graphs produced using the ggplot package to highlight the relationship of variables and check for overfitting and cleaned the data using the tidymodels package

Course Tracker | *Java, JUnit* Link | April 2024
- Created a Course Tracker using Java Swing with the purpose of planning courses based on 9 user stories
- Built tests using the JUnit library to check for bugs and test functionality, achieving a 100% test coverage
- Implemented end-to-end data persistence using JSON and provided documentation on instructions on navigating the GUI

VOLUNTEERING EXPERIENCES

Chelsea Football Coaching and Leadership | Singapore Aug 2021 - May 2022
- Conducted weekly soccer coaching sessions in a team of 7 with the purpose of boosting children's confidence, tuning motor skills, and improving fitness through structured football activities
- Coached a group of 30 children from low-income families, focusing on preschoolers aged 5-7