

# 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
- Relevant Course Work: Object-Oriented Programming, Discrete Mathematics

## 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 application to compare soccer player data and Fantasy Premier League teams using Node.js to serve a RESTful API to the front-end made using React and TailwindCSS
- Utilized web scrapping to collect information on over 1000 soccer players from both FBRef and the Fantasy Premier League Statistics websites, storing it on a MongoDB database
- Tracked and tested API endpoint responses using Postman
- Created a responsive UI that works on all resolutions using TailwindCSS breakpoints
- Aggregated player data to provide recommendations to user on team changes and inform users general trends in the Fantasy Premier League player base

### 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
- Connected to the TMDB API to fetch data on the movies and displayed them on render with an interactive UI created in and React 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, allowing users to view the website to be viewed on any resolution

### Heart Disease Predictor | *R, tidyverse, tidymodels*

[Link](#) | April 2024

- Co-lead a team of 4 to develop a K-Nearest Neighbour model that predicts heart disease
- Achieved an accuracy of 67%, with a recall of 69% through analysing the Heart Disease Dataset on Kaggle
- Supported the analysis of data with graphs produced using the tidymodels package to highlight the relationship of variables and check for overfitting

### Course Tracker | *Java, JUnit*

[Link](#) | April 2024

- Created a Course Tracker using Java Swing with the purpose of planning courses
- Wrote tests using the JUnit library to check for bugs and test functionality, achieving a 100% on them

## LEADERSHIP 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

### HerJourney | Singapore

August 2022 - December 2022

- Facilitated weekly awareness sessions on issues related to migrant workers in Singapore
- Collaborated with a local NGO called HOME (Humanitarian Organisation for Migrant Economics)
- Led a visit to the HOME office to understand NGO operations and awareness strategies