

DHRUV MANN

✉ dmann9@myseneca.ca [in linkedin.com/in/dhruv-mann-a57351166/](https://www.linkedin.com/in/dhruv-mann-a57351166/) github.com/dmann001 dhruvmann.vercel.app/

Education

Seneca Polytechnic

Bachelor of Software Engineering

Sep 2022 – Aug 2026

Toronto, Ontario

Relevant Coursework:

Data Structures and Algorithms, Operating Systems, Introduction to Machine Learning, Embedded Systems, Database Design Principles, Design Patterns

Projects

CryptoX

ReactJS | CoinGecko API

- Developed **CryptoX**, a live cryptocurrency tracking website using **React** and **Vite**, allowing users to monitor real-time prices and market trends of the top 10 cryptocurrencies through the **CoinGecko API**.
- Integrated **real-time data updates** of cryptocurrency prices, statistics, and market trends, improving user interaction with dynamic content while focusing on future enhancements such as **historical data visualization** and **portfolio tracking**.
- Optimized the user experience with a **clean and intuitive UI** while ensuring **responsive design**, with ongoing mobile-first UI enhancements for better accessibility on mobile devices.

Premier League Match Predictor

Python | Pandas | Machine Learning

- **Developed a Premier League match prediction model** by scraping and cleaning historical match data from multiple seasons using **Python**, **requests**, **BeautifulSoup**, and **pandas** to create a consolidated dataset.
- **Preprocessed and cleaned data** by handling missing values, outliers, and inconsistencies, ensuring high-quality data for predictive modeling of match outcomes.
- **Built and trained a machine learning model** to predict the winner of each football match, leveraging predictive features such as team statistics, past performances, and match location to enhance accuracy.

VCS in C++

C++

- **Engineered a simplified Git implementation** in C++ , deepening understanding of version control systems and the internal structure of the **.git directory**.
- Implemented functionality to **read, write, and manage Git objects** such as blobs, trees, and commits, leveraging efficient file handling and data parsing techniques.
- Built core Git features including repository initialization, commit creation, and repository cloning, demonstrating proficiency in C++ and foundational version control concepts.

Technical Skills

Languages: C/C++, Python, SQL, HTML5, CSS, JavaScript

Developer Tools: Postman, Git

Libraries/Frameworks: AWS, ReactJS, PostgreSQL, NodeJS, MongoDB