

Nikolas “Dax” Manuel

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EDUCATION

University of New Brunswick

Fredericton, NB

Bachelor of Science in Software Engineering / GPA: 3.7 (Dean's List).

Relevant Coursework: Software Engineering, Systems Programming, OOP in Java, Databases, Discrete Math, Calculus, Physics

PROJECTS

CheetahCode | [GitHub](#) | Website

ReactJS, NodeJs, ExpressJS, Supabase

- Developed a full stack web app allowing users to practice and test coding speed in real time.
- Implemented user authentication using Supabase Auth, supporting registration, login, and session tokens.
- Designed RESTful APIs using Express to handle user authentication, user results, and code snippet management.
- Crafted a responsive typing area component using React ensuring real time and seamless user interaction.

CodeSimplify Chrome Extension | [GitHub](#) | Download

NodeJS, ExpressJS, Gemini API, HTML/CSS

- Enabled developers to understand codebases, by providing real time code explanations, through a chrome extension powered by Gemini API.
- Published Chrome Web store by building a full stack application with NodeJS and Express.
- Designed a sleek looking popup displaying the code explanation using HTML and CSS.

Premier League Prediction Model | [GitHub](#)

Python, Scikit-Learn, Pandas, Numpy

- Achieved 60% accuracy on betting props by training a linear regression model using Scikit-learn, indicating a profitable model.
- Boosted model performance through preprocessing data using pandas and numpy.
- Tested the model on multiple betting props, such as final score, total goals, and both teams to score.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML/CSS, SQL

Frameworks/Libraries: NodeJS, ExpressJS, React, Scikit-learn , pandas, numpy

Developer Tools: Git, GitHub, VS Code, IntelliJ Idea, MacOS, Windows, Linux

Courses/Certifications: [Code with Mosh: Ultimate JavaScript Series](#), [Code with Mosh: Data Structures and Algorithms](#).

EXPERIENCE

Youth Soccer Coach

April 2024 - Present

Fredericton District Soccer Association

Fredericton, NB

- Demonstrated strong leadership in managing groups of over 100 children in a playing field.
- Provided mentorship and coaching to young athletes, to improve their understanding of the game.

Merchandiser

April 2025 – July 2025

PepsiCo Beverages

Fredericton, NB

- Used strong attention to detail to merchandise PepsiCo products properly and at pace to increase sales.

Team Member

July 2022 – July 2024

Tim Hortons

Fredericton, NB

- Demonstrated a strong ability to work in a fast-paced and high-pressure environment.

OTHER

UNB Men's Varsity Soccer Player

Aug 2024 - Present