Manan Mehta

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TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML5, CSS3
Frameworks: React, Next.js, Node.js, Express.js, Strapi, Tailwind CSS
Databases: MongoDB, MySQL
Developer Tools: Git, VS Code, Visual Studio, PyCharm, Parcel, Google Colab, Babel, Jupyter, Conda, Linux
Libraries: pandas, NumPy, Matplotlib, TensorFlow, Leaflet
Willing to learn: Angular, QUnit, Mocha, Docker, Kubernetes

EXPERIENCE

Software Developer   September - December 2024
CJSF 90.1FM   *Burnaby, British Columbia*

- Developed and implemented responsive, reusable components in **Next.js**, enhancing website performance and streamlining user navigation for over **1,000** monthly visitors.
- Implemented website features to ensure scalability and aligned them with the station's branding and community values.
- Collaborated with CJSF FM to design and prototype user-centric website layouts and workflows using **Figma** with the goal of increasing donations by **20 percent**.

PROJECTS

Proshop | *MongoDB, Express, React, Redux, Node, PayPal API*   August 2024 – Present

- Designed and developed a full-stack eCommerce platform for residence students using the **MERN** stack, enabling seamless peer-to-peer product transactions and ensuring a seamless user experience.
- Implemented secure user authentication with **JWT tokens stored in an HTTP-only cookie**, providing protection against unauthorized access.
- Integrated **PayPal API** for credit/debit card payments, streamlining the payment process for customers.
- Developed scalable **RESTful APIs** for managing products, user profiles, and order history.

Bank Churn Prediction System | *Python, pandas, NumPy, Scikit-Learn, TensorFlow*   May 2024

- Developed a deep learning model using **Python** and **TensorFlow** to predict customer churn based on geo-demographical and transactional data, achieving an accuracy of **86 percent**.
- Engineered features such as **credit score**, customer tenure, and activity status, and applied data preprocessing techniques to optimize model performance.
- Ranked customers by their churn probability using a probabilistic approach, enabling the bank to prioritize **retention strategies** and reduce customer churn significantly.

MapWorkout | *HTML, CSS, JavaScript, Leaflet.js*   December 2023

- Designed and implemented an interactive workout tracking application using **JavaScript** and **Leaflet.js**, allowing users to mark locations, log workout details, and visualize activities on a map.
- Integrated **local storage** functionality to enable users to save and retrieve workout records, ensuring persistent data between sessions without requiring a backend.
- Enhanced user experience with responsive map rendering and dynamic input validation, providing an **intuitive platform for fitness enthusiasts** to track progress and activity metrics.

EDUCATION

Simon Fraser University   Burnaby, British Columbia
Bachelor of Science in Computer Science   *Aug. 2023 – Dec. 2026*

- Courses: Software Engineering, Data Structures and Algorithms, Introduction to Artificial Intelligence