Brad Ramnarinesingh

Ontario, Canada

📞 647-995-5382 ✉ bradramnarineisngh@gmail.com 🔗 https://www.linkedin.com/in/brad-ramnarinesingh/ ⌨ Bradramnarinesingh (Brad Ramnarinesingh)

Summary

Aspiring computer science student with strong problem-solving and technical skills. Experienced in software development, web design, and creating impactful solutions. Passionate about coding and teamwork, seeking opportunities to contribute to innovative projects.

Education

University of Toronto   **2021 - TBD**
Honors Bachelor of Science in Computer Science, Mathematics, and Statistics   *Toronto, Ontario*

Projects

Travel AI App Development | *Gemini LLM, Next.js, Neon PostgreSQL, APIs*
- **Interface:** Developed an interactive, mobile-friendly web interface with Next.js for seamless user experience across devices.
- **AI:** Built a travel assistant app using Gemini LLM to generate personalized travel plans based on user preferences and budgets.
- **Backend:** Integrated Neon PostgreSQL for efficient data management and a robust backend to handle real-time queries and user inputs.
- **Features:** Incorporated APIs for location-based services and traffic updates to enhance trip planning accuracy and convenience.

House Price Prediction with Machine Learning | *Python, Scikit-Learn, Gradient Boosting, Pandas, Matplotlib*
- **Model:** Built a predictive model using Python and Scikit-Learn Gradient Boosting Regressor, achieving a Mean Absolute Error of $33,429.72 for house price forecasting.
- **Processing:** Employed Pandas for data cleaning and feature engineering, including price change calculations and normalization with StandardScaler, enhancing model performance by capturing market trends.
- **Algorithm:** Developed a conservative growth algorithm incorporating dynamic decay factors and sanity checks to ensure reliable and realistic long-term price predictions.
- **Visualization:** Utilized Matplotlib to create comprehensive graphs showcasing historical data and future price projections, facilitating better interpretation and presentation of results.

Portfolio Website | *HTML/CSS, JavaScript*
- **Design:** Designed and developed a personal portfolio website from scratch using HTML, CSS, and JavaScript.
- **Processing:** Processed user-inputted information in the back end to return a subtotal price based on the selected tickets.
- **Branding:** Created unique design elements and layouts to reflect personal branding, enhancing the visual appeal and uniqueness.

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS
Developer Tools: VS Code, PyCharm, Vercel
Technologies/Frameworks: Scikit-Learn, Pandas, Matplotlib, React.js, Next.js, WordPress
Databases: Neon PostgreSQL

Experience

Peel Hardware and Supply   **May 2023 – Present**
Sales Associate   *Caledon, Ontario*
- Streamlined inventory organization processes, improving efficiency in stock management.
- Delivered exceptional customer service by resolving queries and offering tailored product advice.
- Collaborated with team members to ensure a well-maintained and visually appealing sales floor.