BRAD RAMNARINESINGH

Ontario, Canada

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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 - Present**
Honors Bachelor of Science in Computer Science, Mathematics, and Statistics   *Toronto, Ontario*

- Completed coursework in data structures, algorithms, software engineering, probability theory, statistical inference, and linear algebra.
- Engaged in collaborative projects focusing on machine learning applications and statistical data analysis.
- Maintained a strong academic record while actively participating in computer science and mathematics communities.

Projects

Travel AI App Development | *Gemini LLM, Next.js, Neon PostgreSQL, APIs*

- Developed a mobile-friendly travel assistant app using Gemini LLM to generate personalized itineraries based on user inputs.
- Built a scalable backend with Neon PostgreSQL and integrated APIs for location-based recommendations and traffic updates.

ML House Price Prediction | *Python, Scikit-Learn, Gradient Boosting, Pandas, Matplotlib*

- Designed and implemented a machine learning model using Scikit-Learn Gradient Boosting Regressor, achieving a Mean Absolute Error of $33,429.72 for accurate house price forecasting.
- Conducted data cleaning and feature engineering with Pandas, incorporating price trends and normalization techniques to enhance prediction accuracy.
- Visualized historical and forecasted data using Matplotlib to provide actionable insights for market analysis.

Portfolio Website | *HTML/CSS, JavaScript*

- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase projects and skills in a professional layout.
- Enhanced user experience with interactive animations and hover effects, creating an engaging and polished interface across devices.
- Implemented SEO best practices and optimized website performance to ensure faster load times and better accessibility for users.

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.