

# Brad Ramnarinesingh

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## SUMMARY

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Computer science student aiming to leverage strong problem-solving and technical skills in software development and web design. Passionate about coding and problem solving, seeking to contribute to innovative projects in a dynamic team. Interested in applying my programming knowledge and web technologies in a challenging environment.

## EDUCATION

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### University of Toronto

*Honors Bachelor of Science in Computer Science, Mathematics, and Statistics*

Toronto, ON

2021 - 2025

## TECHNICAL SKILLS

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- **Languages:** Proficient in Python, Java; knowledgeable in R, JavaScript.
- **Web Development:** Experience with HTML/CSS; understanding of responsive design principles.
- **Tools and Methodology:** Skilled with Git for version control; introductory experience with Agile practices.
- **Programming Fundamentals:** Data types, control, functions, classes in Python.
- **Advanced Concepts:** Data structures, encapsulation, algorithms, efficiency.
- **Software Development:** Version control, debugging, and testing methodologies.

## WORK EXPERIENCE

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### Sales Associate | Peel Hardware & Supply

May 2023 – Present

- Responsible for restocking and organizing products, ensuring a tidy and attractive sales floor, and managing inventory levels.
- Provided excellent customer service, responding to queries, offering product advice, and addressing concerns in a friendly manner.

## PROJECTS

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### House Price Prediction Project | Python

- **Machine Learning Model Development:** Developed a machine learning model using Gradient-BoostingRegressor achieving a Mean Absolute Error of \$33,429.72, demonstrating strong predictive accuracy for house price forecasting.
- **Advanced Feature Engineering:** Implemented feature engineering techniques including price change analysis and StandardScaler normalization, improving model performance by capturing market trends.
- **Algorithm Design:** Created an innovative conservative growth algorithm with dynamic decay factors and sanity checks, ensuring reliable long-term price projections.

### Portfolio Website | Figma, HTML/CSS, JavaScript

- **Full-Stack Development:** Designed and developed a personal portfolio website from scratch, transforming wireframes created in Figma into a fully functional site using HTML, CSS, and JavaScript.
- **Responsive and Interactive Design:** Implemented responsive web design principles to ensure optimal performance across various devices and browsers; integrated interactive elements to enhance user engagement.
- **User-Centric Enhancements:** Implemented data-driven improvements by analyzing user interactions to optimize navigation and layout, resulting in a seamless and more engaging user experience.