Brad Ramnarinesingh

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Summary

Motivated Computer Science student with robust problem-solving skills and technical expertise. Demonstrated experience in software development, web design, and delivering innovative solutions. Proven ability to collaborate effectively, apply analytical methodologies, and drive continuous improvement in project environments.

Education

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

- Completed comprehensive coursework in programming, data structures, algorithms, software engineering, probability, and statistics, building a solid foundation in computational problem-solving.
- Acquired practical experience by applying theoretical concepts in coding, mathematical analysis, and data interpretation through diverse assignments.
- Leveraged academic projects to bridge theory and practice, enhancing analytical and computational proficiency.

Projects

Fake News Detection AI | *TensorFlow, NLP (TF-IDF)*

- Engineered a deep learning model using TensorFlow to accurately classify news articles as genuine or fabricated, leveraging advanced NLP techniques.
- Implemented TF-IDF vectorization and stopword removal to preprocess text data, significantly enhancing the model's capacity to detect misinformation.
- Assessed model performance using precision, recall, and F1-score metrics, ensuring robust and balanced classification outcomes.

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

- Developed a predictive model utilizing Scikit-Learn's Gradient Boosting Regressor, achieving a Mean Absolute Error of $33,429.72 for reliable house price forecasting.
- Performed extensive data cleaning and feature engineering using Pandas, integrating price trends and normalization strategies to refine prediction accuracy.
- Created clear visualizations with Matplotlib to illustrate historical trends and forecasted prices, facilitating data-driven market analysis.

Portfolio Website | *HTML/CSS, JavaScript*

- Constructed a responsive personal portfolio website with HTML, CSS, and JavaScript, effectively showcasing projects and technical skills.
- Incorporated interactive animations and hover effects to enrich user experience and deliver a polished, cross-device interface.
- Optimized website performance through SEO best practices and technical enhancements, ensuring rapid load times and improved accessibility.

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS
Developer Tools: VS Code, PyCharm, Vercel, Git
Technologies/Frameworks: TensorFlow, Scikit-Learn, Pandas, Matplotlib, NLP (TF-IDF), WordPress

Experience

Peel Hardware and Supply   **May 2023 – Present**
Sales Associate   *Caledon, Ontario*

- Optimized inventory organization processes to enhance stock management efficiency.
- Provided superior customer service through prompt query resolution and tailored product recommendations.
- Collaborated with team members to maintain an organized and visually appealing sales floor.