Brandon Amarasingam

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Results driven data enthusiast with a strong mathematical and statistical background, coupled with extensive experience in the digital assets market. Seeking to bring proven expertise to a dynamic role as a Data Scientist, where I can contribute immediately to data-driven decision-making and business success.

Python, Scala, Scikit-Learn, NLTK, PyTorch, TensorFlow, Keras, PyMC, BeautifulSoup, Pandas, Java, C++, SQL, MATLAB, HTML, LaTeX, Matplotlib, Seaborn
Version Control (Git), Distributed Computing (Spark), Various APIs
Problem solving, Organization, Time Management, Communication, Collaboration

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| GitHub | Python | Streamlit
- Engineered a Streamlit application for visualizing growth projections of BEVs in Washington State
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| GitHub | Python
- Developed a precision-tuned classification model to discern human and AI-generated responses
- Utilized ChatGPT API for AI responses and the Reddit API to curate a diverse human response dataset, enhancing model robustness
- Applied cutting-edge NLP techniques for the analysis and classification of responses

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Toronto, ON 01/2024 - Present
- Developed and fine-tuned a laughter recognition model with PyTorch, utilizing three open-source datasets for training
- Tailored models for diverse scenarios; optimized ResNet with Data Augmentation for improved performance in noisy environments
- Deployed the final model on Azure, ensuring scalability and robust performance

New York City, NY 08/2023 - 11/2023
- Successfully completed a 480 hour rigorous data science fellowship, where expertise in machine learning techniques were further honed and refreshed
- Techniques: Transfer Learning, Natural Language Processing, Computer Vision, Bayesian Inference, Time Series Analysis, Unsupervised Clustering Algorithms, A/B Testing, Various Regression and Classification Machine Learning Algorithms, Deep Learning Techniques

Calgary, ALB 09/2021 - 07/2023
- Helped scale the startup to over $3M+ in revenue through strategic growth and marketing
- Managed performance and risk assessments of DeFi projects to facilitate secure investments
- Collaborated w/cross-functional teams to ensure the design and delivery of performant, scalable apps

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Data Science Immersive   *New York City, NY, Graduated: 11/2023*

Bachelor of Mathematics, Statistics   *Ottawa, ON, Graduated: 09/2020*