

Brandon Rao

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EXPERIENCE

• TD Bank

Toronto, ON

Data Science Training Specialist

Dec 2021 – Present

- **Databricks Training:** Facilitated training of over **1800** colleagues in Databricks through hosting live training courses and hands-on workshops. In-depth experience with in-person or virtual public speaking.
- **Enterprise Standards:** Creator of centralized documentation website for our data platform, which has been accessed by over **4,600 unique users** and over **3,500** monthly interactions, growing rapidly MoM.
- **Tableau and Power BI Expertise:** Contributing member of the enterprise Tableau and Power BI hands-on training programs to improve data visualization skills of colleagues. Subject Matter Expert for related inquiries.
- **Cloud Training and Expertise:** Developed and implemented key training material on Cloud tooling such as Azure Synapse, Databricks, and Tableau best practices through monthly webinars or technical documentation.
- **Leadership:** Led the DILO (Day In the Life Of) initiative to improve team productivity and collaboration.

Data Analytics and Reporting Intern

Sep 2020 – Dec 2021

- **Ecosystem Reporting:** Developed a Tableau dashboard providing usage insights for a Hadoop ecosystem with over **1,200 members** to improve data-driven decision making.
- **End-User Engagement:** Delivered technical training webinars around big data tools (Oozie & Git / Bitbucket) for **150+ data driven colleagues** through regular training sessions scheduled monthly.
- **Data Preprocessing:** Built well documented and automated Python / PySpark scripts to collect, clean and transfer data to be used in Tableau workbooks. Technical SME on Big Data implementations in Tableau.
- **Intern Leadership:** Winning team leader for co-op end-of-term work experience competition presenting outcomes to program supervisors.

• Explora Partners

Toronto, ON

Financial Analyst Intern

Aug 2019 – Dec 2019

- **Web Scraping Automation:** Designed and implemented Python web scraping applications to automate the collection of data about potential acquisitions / contacts and stored all of the information in excel spreadsheets to distribute to the team.
- **Workflow Automation:** Saved hours of work for my co-workers by developing unforeseen automated processes.

PROJECTS

- **UFC Fight Classification Model & Blog:** (Python, Jupyter NB) - A classification project to clean UFC fight data and predict the winner using a Random Forest model with cross-validation. Complete blog & analysis included.
- **Disaster Response NLP Pipeline:** (Python, Flask) - Natural Language Processing model that categorizes messages for disaster response by implementing an end-to-end NLP pipeline & companion Flask application.
- **Stack Overflow Survey Analysis & Blog:** (Python, Jupyter NB) - A complete Data Science project and analysis of Stack Overflow Survey findings from the 2024 Stack Overflow Developer Survey with an accompanying blog post.
- **California Housing Price Predictions:** (Python, Jupyter NB) Decision Tree and Multiple Linear Regression that accurately predicts housing prices in Kings County in California.

TECHNOLOGIES

- **Languages:** Python (PySpark), R, SQL
- **Data Science:** Jupyter, Pandas, NumPy, SciPy, Scikit-Learn
- **Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Big Data:** Spark, Hadoop, Hive, Impala
- **Cloud:** Microsoft Azure, Databricks
- **Version Control:** Git, GitHub, Bitbucket

EDUCATION

• University of Toronto

Toronto, ON

HBSc. Mathematics and Statistics

Sep 2016 – Dec 2021

- **Relevant Coursework:** Regression Analysis, Data Collection, Statistical Inference, Categorical Data Analysis
- **Certifications:** Udacity Certified Data Scientist, Azure Fundamentals, Databricks Lakehouse Fundamentals, Certified Databricks Data Engineer Associate