Arya **Manjaramkar**

Machine Learning · Data Science

Mississauga, Ontario, Canada

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Summary

Strong interest and competency in Machine Learning, Data Science and Deep Learning. Knowledge of core Python and libraries used for data manipulation, visualization and creating predictive models. An avid and curious learner with strong technical interests and ability to provide efficient solutions. A good public speaker, team-player and someone who can work independently and in small and large groups.

Libraries Used: Pandas, Numpy, Scikit-Learn, Tensorflow, Keras, XgBoost, CatBoost, Plotly, Anaconda, Seaborn, LightGBM, Dash, Ppscore, Phik, OpenCV, BeautifulSoup, Git, Requests, Sqlite, Jax, FastApi, Uvicorn, GDevelop, Shap, Scipy, Statsmodels, Prophet etc.

Experience

North Park Hack Club   *Brampton, ON*

Mentor   *Oct. 2021 - Present*

- Mentored several high-school students and helped them to start their journey in learning to code with Python.

Mississauga Malton Youth Council   *Mississauga, ON*

Member of Council   *Oct. 2021 - Present*

- Worked alongside Honrable Member of Parliament, Mr. Deepak Anand to find solutions to problems commonly faced in the Peel Region.
- Brainstormed innovative solutions to the problems of widespread Diabetes and shortage of Blood Donation in the community.

DeepGenX   *Mississauga, ON*

Founder   *May. 2021 - Present*

- Fine tuned a large transformer (GPT-J 6B) model on Open-Source Python code to improve its code generation capability.
- Productionized a fine-tuned version of GPT-J 6B on Google Cloud TPU's.
- Created a Visual Studio Code extension to make the service accessible without complex setup.
- Conducted sessions in educational institutions to introduce students to CodeGenX and how they can leverage it to learn Python and ML in an efficient way.

Freelance

Python Tutor   *Apr. 2021 - Present*

- Taught students in several age brackets to code in Python and guided them on how they can further develop and make use of their new skills

Recognitions

2022   **Google TRC Researcher Spotlight**, Recognized by Google in their Research Spotlight for work on CodeGenX

Education

North Park Secondary School   *Brampton, ON*

High School Diploma   *Oct. 2020 - Jun. 2024*

- Part of the International Business Technology (IBT) program.

Projects

Stocksent

www.github.com/Aryagm/Stocksent

- A Python library for sentiment analysis of various tickers from the latest news by trusted sources, and tools to plot results

Tappy Ship

www.play.google.com/store/apps/details?id=com.tappyship.tappyship

- Tappy ship is a flappy bird inspired side-scroller where the player tries to control a spaceship through columnar obstacles by inducing the effect of gravity on it.

Voice Assistant

www.github.com/Aryagm/VoiceAssistant

- A fully functional and customizable Voice Assistant (similar to Alexa) created using Python. Functionality includes weather forecasts, media playback, math equations, sending emails and more.