

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.

Tools: *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

DeepGenX

FOUNDER

Mississauga, ON

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.

North Park Hack Club

MENTOR

Brampton, ON

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

MEMBER OF COUNCIL

Mississauga, ON

Oct. 2021 - Present

- Worked alongside Honorable 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.

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 Researcher Spotlight for work on CodeGenX
- 2022 **Winner of Blizzard Hacks**, Won the first prize and prize for best code in the 2022 Blizzard Hacks Hackathon on the topic of using Disruptive Technologies to tackle mental health issues
- 2022 **Third Place in Hack to Tomorrow**, Won third place in Hack to Tomorrow conducted by Youth Culture on the topic of accessible, inclusive and sustainable urban cities

Education

North Park Secondary School

HIGH SCHOOL DIPLOMA

Brampton, ON

Oct. 2020 - Jun. 2024

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

Projects

Stocksent

[WWW.GITHUB.COM/ARYAGM/STOCKSENT](https://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. Has over 10,000 active users.

Tappy Ship

[WWW.PLAY.GOOGLE.COM/STORE/APPS/DETAILS?ID=COM.TAPPYSHIP.TAPPYSHIP](https://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](https://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.