Pranjal K. Bajaria

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EDUCATION

Bachelor of Science, Hons., Univesity of Toronto, **cGPA: 3.77/4.0**   **2019 — 2024 (Expected)**
Computer Science Specialist(Focus in **Artificial Intelligence and Computer Vision**) and Mathematics and Statistics Minors.

- **Dean's List Scholar**   **2019-2020, 2020-2021, 2021 - 2022**

PROFESSIONAL SKILLS

- Proficient | Python, C, SQL, HTML, CSS, Typescript, Javascript, Numpy, Pandas, Pytorch
- Familar | Java, R, NodeJS, Tensorflow, GCP

WORK EXPERIENCE

Software Engineer Intern at Texas Instruments   **May 2023 — August 2023**

- Worked on CCS Theia IDE features and writing APIs and automated Playwright tests for the IDE.

Machine Learning Engineer at Daisy Intelligence Inc. (Co-op)   **May 2022 — May 2023**

- Aided in optimising the data and machine learning pipeline for forecasting models in a team of **4 developers** for retail clients like **Walmart**, **Sedanos** and **Carrefour**.
- Created a fallback ML model for forecasting quantities and optimising sales for Daisy clients.

Research Assistant at University of Toronto   **Apr 2021 — Dec 2021**

- Worked on a dataset of **650+ million tweets** and used various traditional ML models like **Naive Bayes, SVMs, Decision Trees, Random Forests** along with ensemble techniques like **boosting and bagging** to create classifiers to detect stigma against asian communities(due to the COVID-19 pandemic) on Twitter.

Project Lead for UofT Student Engagement Awards   **Jul 2021 — Oct 2021**

- **Lead a project team of 7 students** in working on a project that aims to combat the spread of misinformation on twitter by identifying communities that are prone to misinformation using **deep learning**.

PROJECTS

- **Conference Client:** A conference management client made using Java and various Design patterns and SOLID principles. (Tech used: Java, SOLID principles, and design patterns) [Github]
- **Music Frankenstein:** A tool that does neural style transfer on a song using Convoluton Neural Nets. (Tech used: Python and Tensorflow) [Github]
- **SEGANs:** Modified Speech Enhancement GANs to improve their performance on speech enhancement tasks. Finalized findings in a research paper. (Tech used: Python, Pytorch, Tensorflow, GANs) [Github]

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

Instructor at LearnAi in Africa, AiCommons   **Dec 2020 — Nov 2021**

- Helped in creating a curriculum in machine learning and taught it to over **200+ students** from **Kenya, Ghana, Nigeria, Algeria and Mexico** in collaboration with AiCommons, McGill University, and UofT.

Project Director at UTMIST   **Oct 2020 — Feb 2021**

- **Led a team of 5 students** in creating a model that uses **Neural Style Transfer** to transfer the style of a piece of music to that of another piece.