# Sannat **Bhasin**

COMPUTER SCIENCE & MATH · UNIVERSITY OF TORONTO

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## Education

**University of Toronto (St. George)** *Toronto, ON*

*Honours Bachelor of Science in Computer Science* *2019 - 2023 (Expected)*

- **Programs**: Computer Science (specialist), Mathematics (minor), Statistics (minor)
- **CGPA**: 4.0/4.0

## Skills

**Languages:** Python, JAVA, Assembly (MIPS), C, SQL, R, LaTeX

**Frameworks, Tools and Libraries:** Django, Scikit-Learn, Android, Selenium, Tkinter, Jupyter

## Experience

**Machine Learning Intern**

ZENWORKS SOLUTIONS *July 2020 - Sept 2020*

- Worked on enhancing the "myelin" platform for smart education
- Worked with **Machine Learning** models like **k-means clustering** and determining relevant data points to classify a student's academic inclination.
- Streamlined data input, output and visualization using **Jupyter** notebooks and **Python** libraries such as **pandas, sklearn, and matplotlib**

**Programmer & Growth Manager**

PIONEER HONEY (A LOCAL BRAND) *June 2019 - present*

- Currently working on a **Django** web app and an **Android App** along with a centralized database using **SQL** for convenient data upload and interaction.
- Made a social media bot (adapted from my WebBot project using **Selenium**) to manage custom social media tasks, including data acquisition and customer relations.
- **Increased** workflow **efficiency** using Python libraries such as **openpyxl**, **pandas** and **PyPDF2** to automate data handling, invoice management, excel file creation, PDF reports, and other menial tasks.

## Projects

**ConferenceManager | School (CSC207: Software Design)** *Sept 2020 - Dec 2020*

- Built software for managing a conference with features including: multiple account types, multiple event types, event sign up, messaging, and more.
- Built using **JAVA**, implementing **Clean Architecture** principles and **Design Patterns** such as Strategy, Abstract Factory, MVP (for GUI), etc.

**WebBot | Personal** *Dec 2019 - present*

- Made a WebBot using **Python** and **Selenium** that can be tweaked and applied for **automating** various web based tasks.
- The bot was adapted to work for Pioneer Honey's social media tasks (their main source of orders).

**Check Github for more**

## Extracurricular Experience

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| 2020-now | **General Executive**, UofT AI , Involved with admin work for ProjectX (research competition) |
| 2020-2020 | **Orientation Leader**, Computer Science Student Union |
| 2019-2020 | **RSG Leader**, Recognized Study Group for MAT137 |
| 2018-2019 | **Teaching Intern**, CourseLeap: Math Olympiad training assistance and course development |