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, SQL, LaTeX

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

Tools: Git & Github, Android Studio, IntelliJ IDEA, Pycharm, Logisim, VSCode

Miscellaneous: Automation, Scripting, Unix & Windows command line

Experience

Machine Learning Intern
ZENWORKS SOLUTIONS
- Worked on enhancing the "myelin" platform for smart education
- Developed a **Machine Learning** model to predict 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)
- 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.
- Made a **GUI** using **tkinter** that lets the client interact with the data and get customer analytics.

Projects

WebBot   *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).

EasyBackup   *2020 - present*
- Made a custom backup utility to get the level of control I desired.
- Used Python's **os** module and my knowledge of navigating the **Tree ADT** (since the file structure on a PC is very similar to that).
- Using **multithreading** to increase efficiency and working on a **GUI** to allow those who do not know how to program to use it.

Extracurricular Experience

2020-now	**General Executive**, UofT AI
2020-2020	**Orientation Leader**, Computer Science Student Union
2019-2020	**RSG Leader**, Recognized Study Group for MAT137
2019-2020	**Private Tutor**, Programming for beginners (with customized syllabus specific to interests)
2018-2019	**Teaching Intern**, CourseLeap: Math Olympiad training assistance and course development