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

Teaching Assistant

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF TORONTO   *Jan 2021 - May 2021*
- Course **CSC165:** Mathematical Expression and Reasoning in Computer Science
- Assisting the professor with grading assignments and conducting Tutorials.
- Improving communication skills by helping freshmen navigate a foreign but extremely important topic in Computer Science.

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*
- Worked with **CRC** cards and **UML** (Unified Modeling Language) for efficient planning and team communication.
- Built software (using **JAVA**) for managing and attending conference with a GUI and various features
- Implemented industry standard **Clean Architecture** principles and **Design Patterns** (Strategy, Abstract Factory, MVP, 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).

DoodleJump | School (CSC258: Computer Architecture)   *Nov 2020 - Dec 2020*
- Recreated DoodleJump with complex **features** and **animations** in MIPS **Assembly**

Check Github for more

Extracurricular Experience

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