# Tavleen Aneja

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## PROJECTS

File Scanner and spell checker | [GitHub](#)     Feb 21
- Utilized a file scanning and spell checker **Java** system that collects specific details maintaining proper grammar in the document. Users can access the files easier and run them through the scanner to see errors.

IEEE-754 Converter | [GitHub](#)     Mar 21
- Designed a converter to convert decimal representation of values to a binary format representation in IEEE -754.
- The **Java** program allows values in decimal and binary to be printed so understanding the conversion is more straightforward.

Planttum | [GitHub](#)     Nov 21
- Developed a plant monitoring system that collects the soil moisture, humidity, temperature, and brightness of the surrounding area in real-time through **C**. This allows users to conduct surveys for the plant so changes can be made on how they are maintained.
- Implemented an STM32 micro controller, DHT22 sensor, and a photoresistor to measure the growth pattern of plants.

## WORK EXPERIENCE

Virtual Robotics Training Academy - Coop     Jul 21 – Aug 21
- Tested software and applications of robotics using **Python** to find errors in the company before its release to students.
- Increased the company's ability to maintain and run the course by offering critical feedback on improvements.
- Solved issues in the company's course by detecting complications in how the course is being ran in Ontario.

FRC Robotics Team Member     Sep 22 – Jun 22
- Designed and built a functioning turret system which can properly complete tasks through the use of wiring and machinery.
- Build parts for the robot competing in the FRC Robotics competition.

Compass Canada- General Help Employee     Mar 22 – Jul 22
- Provided customer service at one of the main restaurants in the Toronto Zoo by assisting all around the company.
- Greeted customers to the restaurant, following through on orders, along with carrying out many transactions.
- Maintained the restaurant, making sure floors, and tables are clean for customer satisfaction.

## VOLUNTEER EXPERIENCE

Army Cadets     Sep 17 – Jun 22
- Instructed other cadets to ensure they have proper training to survive, instruct and solve complex problems in the world.
- Completed three survival courses at a military base to train the future cadets in aspects of leadership.
- Provided customer service and resolved problems in the community by offering support to the Veterans in Toronto.

Amit Vig Law Office     Nov 22 – Feb 22
- Organized over **1000** documents through Microsoft excel so accessing files is more efficient and easier for lawyers.
- Simplified the structure of the workplace by reorganizing and fixing placements of material around the office.
- Verified filing system to match the filing system in person, so client material is easier to access when clients are called.

## SKILLS

- TECHNICAL SKILLS: Java, C++, C, Python, Arduino, STM32, HTML, JavaScript

## EDUCATION

University of Waterloo B.A.Sc. - Computer Engineering     Sep 22- Apr 27
First year Undergraduate- 1B term