

# Divyansh Kachchhava

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## EDUCATION

### University of Toronto

Honours Bachelor of Science - Software Engineering Specialist (co-op)

Toronto, Canada

Sept. 2021 – May 2025

### University of Toronto Scholar Award

The award provides recognition to the University's top 3% students at value of \$7500

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, R

**Frameworks:** Django, NodeJS, React, ReactNative, Bootstrap, Junit, Mockito

**Developer Tools:** GIT, Jupiter, XCode, VS, PyCharm, Eclipse, IntelliJ, Google Cloud platform

**Database:** SQL, Firebase, Azure

## PROJECTS

### Course Planner App | Java, Kotlin, Firebase, Android Studio, Git, Figma

Nov 2022 - Dec 2022

- Pioneered and lead a team of 5 developers to make an app using Java/Kotlin which can help students to plan their degree and generate a timetable so that students can finish their degree as early as possible
- Efficiently utilized Firebase to keep track of 100k+ courses and 100k+ users information and performed unit testing using Mockito and Junit after refactoring code in MVP pattern
- As a Scrum Master, I was responsible for managing team of 5 developers in the Agile development and efficiently utilized GitHub data to show collaboration. Received 100% contribution marks for the project

### Carbon Cam App | Java, Kotlin, Firebase, Android Studio, Heroku, Flask and Tensorflow

Oct 2022

- An app made using Java/Kotlin which helps to find the amount of time it takes for materials to decompose and perform back-tracking and forward-tracking, simply by allowing users to take pictures of objects
- Utilized a SVC model to train the ML algorithm for comparing 700+ objects/images and hosted trained model with Flask onto the cloud using Heroku Integrated an API with postman
- Allowed for 95%-98% transfer of information between an android application and the cloud server. The app make use of Machine Learning and Neural Network

### Personal Desktop AI assistant | Python Script

Dec 2021 - Feb 2022

- It can perform 20+ functionalities which includes sending emails, Optical Text Recognition, Dynamic News Reporting at any time with API integration by using API powered by Google's machine learning technology
- Performs various functionality with just a simple voice command up to a distance of 10m, with 90%-95% accuracy

### Course Projects | Python, C, C++, Data Structure and Algorithms, OOPs

Sept 2021 - Present

**GRAFFIT:** Programmed a social media network called GRAFFIT where users keep track of friends, and the brands users are interested in using graph network in C

**Trees Everywhere:** Used the Binary Search Tree functionalities like, insertion, deletion, tree modification, and searching to implement an image analysis tool called Quadtree in C

**Title Graphics:** Implemented all the standard functionality of the linked list and developed functions that takes the current list of commands and executes to produce images to display in C

## WORK EXPERIENCE

### Computer Science First-year Community Leader

Sept 2022 – Present

Leadership position, University of Toronto

Scarborough, Canada

- Lead 330+ Computer Science, Math, and Stats first-year students Supporting to their transition to university by attending to questions and regularly checking in with students
- Mentoring 80+ students at a time by answering their questions and planning out community-building activities
- Regularly communicate with assigned First Year Learning Community both virtually and in-person

## CERTIFICATIONS AND LICENSES

**Azure Fundamentals by Microsoft at Coursera** AZ-900 Certification Exam

**Back-end development by Meta at Coursera** Advance React, Web-development, Bootstrap, Version Control

**Front-end development by Meta at Coursera** Cloud, Database, API, SQL, Linux, Django, API, Bash, GitHub