

# KUSHAGRA THAKUR

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## EDUCATION

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### YORK UNIVERSITY – TORONTO, ON

Sep 2019-Current

Lassonde School of Engineering, BSc Hon. Computer Science.

**Relevant Courses:** Data Structures and Algorithms, Database Systems, Statistics and Probability, Computer Architecture & Theory of Computation.

## SKILLS

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**Technical:** Python, Java, Flask, HTML/CSS, JavaScript & SQL.

**External Certifications:** Python Essential Training, JavaScript Essentials, Artificial Intelligence Foundations: Machine Learning.

**Interests:** Back-end, Computer Security, Data analysis, ML & Automation.

## PROJECTS

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### Digital- U (HACKATHON TEAM PROJECT) [Python]

- Coordinated with 4-member team for Hack the Valley 5. Automated WhatsApp messaging bot which browses through your message logs to try and replicate user speech. Powered by **Tensorflow** and **Puppeteer**. Works on exported messages from user account as the training set. **OCR** API used for connecting to WhatsApp Web.

### ONLINE PORTFOLIO AND BLOG: [Jekyll] (<https://www.eecs.yorku.ca/~kushagra/>)

- A **Jekyll** based portfolio. Connected with **FormSpree** API for messages. **SSL** secured and hosted online.
- Features a WIP but accessible blog about upcoming milestones. Written in **HTML** and styled with **CSS**.

### DISCORD “CAT” BOT [Python]

- A social media bot which includes image search options with custom arguments accepted in the search query. Uses **NEKO** Search API for handling images.
- Includes basic moderation features for group chats as well as limiters for public usage.

### FACEBOOK MESSENGER BOT [Flask]

- Prototype messenger bot built to hold small conversations aimed towards possible business usage. Sends automated custom messages on a preset Facebook page. Designed to give rise to ideas from teammates for upcoming hackathons. Led to creation of **Digital-U**. Programmed using **FLASK**.

### HTV5 HASHCODE CRACKER [Python]

- Initiated team effort for the “Find the Hash” competition in HTV5. Crafted to solve the given task and check the result online using **Selenium** while logging answers to a text file. Created using Python.

## EXPERIENCE & ACTIVITIES

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### LASSONDE STUDENT GOVERNMENT, YORK UNIVERSITY

VP- Academic Affairs

Jan 2020 – Current

- Managing academic strategic planning for Lassonde students with coordination of the Faculty Council, hiring and **appointing** 15 student reps, and establishing channels with the students for feedback.
- Assigned and recruited volunteers for on-campus Hackathons including **YorkU Hacks** and HultPrize. Held **10 interviews** for candidates in a transparent process. Stored detailed records in form of **Microsoft Excel** sheets.

### YORK INTERNATIONAL – YORK UNIVERSITY

Workshop and Coffee Breaks leader.

Dec 2019 – Mar 2020

- Helped in setting up furniture and clearing doubts as well as hosting people for 2 large-scale and 4 small scale events. Positively influenced new international students, making them feel more welcome in Canada.
- Increased Instagram presence by **40%** by ending all events with a “group selfie” to help retain good memories.

### ELLEHACKS- TORONTO

Public Relations Volunteer

Oct 2019– Feb 2020

- Led volunteers to maintain order during the YorkU on-campus event, managing food supplies and distributing over **100 kits** on demand. Addressed on-site issues and guided sponsors with sponsorship packages.
- Gave EventBrite access to other volunteers to facilitate faster check-in of over **100** participants.