

KUSHAGRA THAKUR

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EDUCATION

YORK UNIVERSITY – TORONTO, ON

Sep 2019 - Current

Lassonde School of Engineering, BSc Hon. Computer Science.

Relevant Courses: Data Structures and Algorithms, App Development, Web Development, Database Systems, Statistics and Probability, Discrete Mathematics, Calculus, Computer Architecture & Theory of Computation.

SKILLS

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

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

Interests: Software development, Piano, Computer Security, Data analysis, ML & reading.

WORK EXPERIENCE

WEB INTERN

Rocscience, Toronto

May 2021 – Current

- Initialized the Rocscience support website with 130 users to **Craft Nitro** with **Docker** and **Composer**.
- Reduced storage redundancy by **automation** of relinking of 100+ reused files with **Java**.
- Automated renaming and uploading of 2000 images using **Selenium** and **Python**.
- Managed **centralized version control** of 7 key projects with **Git**.
- Executed migration of website content from **Adobe RoboHelp** to **Craft CMS** reducing maintenance by 50%.
- Traced and repaired 43 **broken links** on Rocscience documentation website.
- Presented a solution of **automating** 80% of all PDF edits using **Python** to team lead and company lead.

VP- ACADEMIC AFFAIRS

Lassonde Student Government, York University

Jan 2020 – May 2021

- Spokesperson for the Week Zero event. **Presented** 2 times to 1st year students to help guide them.
- 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.

PERSONAL PROJECTS

Digital- U | HACKATHON TEAM PROJECT | React

- 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. **ML** algorithm made using **Numpy**. Front end created with **React**.
- Led 4-member team for Hack the Valley 5, collaborated using **git**.

ONLINE PORTFOLIO AND BLOG: | Jekyll, JavaScript | [Portfolio link](#)

- Hosts a **Jekyll** based portfolio. Connected with **FormSpree** API for messages. **SSL** secured and hosted on **Github**.
- Features a WIP accessible blog about upcoming milestones. Written in **HTML** and **Javascript**, styled with the help of **CSS**.

SALESFORCE CONFERENCE APP | Salesforce, Apex

- Created in **Node.js**, later ported to Salesforce platform by using **Apex** and **Salesforce Lightning**.
- Parses data from JSON and .CSV formats to be stored in Salesforce Custom Objects.
- Front end designed using **Salesforce Visualforce**.

FACEBOOK MESSENGER BOT | Flask

- Prototype messenger bot built to hold small conversations aimed towards 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**.