

KUSHAGRA THAKUR

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EDUCATION

YORK UNIVERSITY – TORONTO, ON

Sep 2019 – April 2023

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, Computer Security, Data analysis, ML & reading. Piano and Orchestral Music.

WORK EXPERIENCE

TEST AUTOMATION ENGINEER INTERN

Royal Bank of Canada (RBC), Toronto

Jan 2022 – Current

- Wrote 50 automated test cases for RBC InvestEase application using **Selenium Java**.
- Managed version control of 2 projects through **Git** with 20+ code reviews.
- Restructured 20 RBC DirectInvesting application unit tests using Java.
- Coded data queries on 5 account types using **SQL**.

RESEARCH ASSISTANT: SOFTWARE DEVELOPMENT

Lassonde school of Engineering, York University

Sep 2021 – Jan 2022

- Implemented **python** test scripts for testing **15** performance metrics in GNSS positioning.
- Led CI/CD development through **7 GitHub Actions** to the entirety of the project.
- Presented software options for **version control** to 30 member team.

WEB INTERN

Rocscience, Toronto

May 2021 – August 2021

- Spearheaded the automation of renaming and uploading of 2000 images using **Selenium** and **Python**, leading to 30% decrease in setup time.
- **Dockerized** 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**, decreasing export time by 15%.
- Managed **centralized version control** of 7 key projects with **Git** in Linux, leading to 15+ documentation changes.
- **Automated** 20+ tasks, increasing efficiency of website updates by 20% using **Python**.

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 1000+ exported messages from users 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 an 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**.