

Raunak Jalan

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SUMMARY

Computer Science student with experience in developing web applications, machine learning models, desktop applications, automation bots using technologies such as Python, JavaScript (ES6), Shell Script and MongoDB. Seeking a **Software Developer Job** to leverage exemplary coding skills, analytical skills and leadership skills.

EDUCATION

Bachelor of Engineering in **Computer Science**
Chandigarh University [Gharuan, Punjab]

Expected June 2021
8.68/10.0

TECHNICAL SKILLS

Languages: Python, C, C++, Java, Bash Scripting, HTML, CSS, JavaScript

Frameworks: Bootstrap, Flask, Selenium

Libraries: Tkinter, OpenCV, Tensorflow, Keras, Scikit-Learn, Matplotlib

Tools: Netbeans, Google Colab, Jupyter Notebook, Tableau, Bash, Git, L^AT_EX

Databases: IBM DB2, MySQL, MongoDB

Operating System: Windows, Linux

Familiar with: Flutter Development, Oracle SQL, REST APIs

PROJECTS

[LinkedIn Automation](#) (Python, Selenium)

March 2021 - Present

- In this project, a complete set of tasks are being automated for LinkedIn, from posting to profile scraping.

[Google Image Scraper](#) (Python, Flask, Selenium, BeautifulSoup4)

January 2021

- In this project, a flask application was created where, one can enter search keyword and number of images and application will scrape Google Images to get number of images for that input. A POST API is also created for this. It was then deployed on Heroku.
- Github: <https://github.com/RaunakJalan/imageScraper>
- API: <https://rj-imagescraper.herokuapp.com/api/showImages>

[Rock Paper Scissor recognition using TensorflowJS](#) (HTML, JavaScript, TensorflowJS)

May 2020

- In this project, a complete set of data was recorded using a browser based model. And trained using TensorflowJS. Then it was predicted on browser.
- Learned the basic and advanced concepts of TensorFlowJS.

[AR Virtual Keyboard](#) (Python, OpenCV, Tkinter, PyAutoGUI)

May 2019

- In this project, I used OpenCV library of Python to create a representation of a keyboard and track pad on screen and one can use the keyboard using camera and yellow color covered finger.
- Successfully learned to use Color Segmentation.

[Credit Card Digit Recognition](#) (Python, OpenCV, TensorFlow)

December 2018

- In this project, I used Computer Vision and CNN to create a model that successfully recognizes digits on a credit card. Complete data set was random and build by me using data augmentation.
- Learned how to create a data set.

[Language Classification with Naive Bayes](#) (Python, Scikit-Learn, Flask)

October 2018

- In this project, with modification to various hyperparameters of Naive Bayes Algorithm a classification between Czech, English and Slovakian Language was made.
- Learned the importance of Hyper Parameter alpha in Naive Bayes Algorithm.
- Github: <https://github.com/RaunakJalan/Language-Classification-Naive-Bayes>

EXPERIENCE

SDET Intern

October 2020 - Present

Commvault Systems, India

- Automated multiple test cases for Command Center data agent IBM DB2.
- Achieved exposure towards **Commvault's** software architecture and its working.
- Achieved exposure towards **IBM DB2** database and its multiple configurations.
- Worked under an experienced SDET Engineer and got deep insights related to readability and optimization of code.

CERTIFICATIONS

1. Completed Summer training in Machine Learning with A+ grade at Techienest
2. [Front End Web Development Specialization:Coursera](#)
3. [Deployment of ML models: Browser Based, Data Pipelines, Tensorflow Lite, Advance Deployment: Coursera](#)
4. [Computer Vision with OpenCV Library using Python](#)
5. [Google IT Automation with Python: Coursera](#)
6. [Cisco Linux Unhatched Certification](#)

AWARDS

3rd position Bug Finding Competition.

Technical Treasure Hunt Winner.

Techno Savvy Award in XII.

State Level IT quiz winner in XI.

EXTRA CURRICULAR ACTIVITIES

1. Participated in TechFest Treasure Hunt.
2. Created Posters for TechFest.
3. Created Desktop App for TechFest Treasure Hunt.

DECLARATION

I do hereby declare that above information is true to best of my knowledge.