

# RAHUL SINGH

<http://rahul-singh.co>

(+91)9873603841 ◊ rahulsingh2240@gmail.com

## EDUCATION

---

- **J.S.S ACADEMY OF TECHNICAL EDUCATION, Noida** *August 2016 - Present*  
Bachelor of Technology in Information Technology; Aggregate: 78.2%
- **UTTARAKHAND PUBLIC SCHOOL, Noida** *July 2014 - June 2015*  
Senior School; Aggregate: 84%

## EXPERIENCE

---

- **Google Summer Of Code 2019** *May 2019-August 2019*  
*Student Participant FOSDEM*  
Improve communication with stands and devrooms in Open Source Event Manager. Created an invitation system in the app that helps the conference organizer to invite people and added some automation features to ease the application review process.
- **Google Code-In 2019** *November 2019-January 2020*  
*Mentor TensorFlow*  
Responsible for helping students between 13-17 years to kickstart their journey in open source.
- **PHOCKET, Delhi** *April 2019-July 2019*  
*Data Science Intern*  
Converted bank statement data into a data frame to perform analysis. Automated the bank statement analysis and visualization task for the finance team to catch fraud.
- **Microsoft Student Partner** *September 2019-Present*  
*Student Partner*  
Organizing events, hackathons, talks and representing Microsoft in the campus. Learning and involving with the community to explore new products.
- **Nibble Computer Society, Noida** *January 2017-Present*  
*General Secretary*  
Responsible for the development of REST APIs and managing the infrastructure of JSS Event Manager. I was also responsible for Organizing colleges Tech-fest Zealicon along with its website and other management tasks. Organized many workshops on Git/C/Web-Development for the freshers.

## PROJECTS

---

- **Computer Vision and Machine Learning**  
Coursera certified in deep learning with tensorflow from Deeplearning.ai by Andrew NG. Worked on image classification with different models and different datasets, object detection(YOLOV3), style transfer, sentiment analysis, face recognition. Humpback whale identification challenge on kaggle (Rank 283/1300)

- **Hair Segmentation using UNET**

Separated the face and the hairs to use different hairs on the different faces. Has many applications like snapchat hair filters and avatar digitization.

- **Pollution Detector, Smart India Hackathon**

Created Flask Apis to detect type of pollution and the possible amount of pollution from a single image in Smart India Hackathon. Used Pytorch to train the model.

- **JSS Event Manager, JSSATE**

Created this project using NodeJS for my college to handle the events and get notified about it, if subscribed. Used by students, faculties and management staff.

- **OSEM, openSUSE**

This project is an open source event manager used around the world for managing conferences and events. I have made a lot of contributions to it. It is built on Ruby on Rails.

- **Properkodo, MLH Hackathon**

An application built using Ruby on Rails created in MLH hackathon for showing the student's performance on github, codechef, codeforces, hackerrank etc through graphs and charts on a single page in a very simple and easily understandable way.

## PROGRAMMING SKILLS

---

- **Languages:** Python, Ruby, C, C++, Javascript
- **Frameworks:** Flask, Ruby On Rails, ExpressJS
- **DevOps:** AWS, NGINX
- **Databases:** MySQL, MongoDB
- **Frontend:** HTML, CSS, BOOTSTRAP
- **Version Control:** Git

## AWARDS

---

- Codechef Snackdown 2018-2019
- Smart India Hackathon 2019
- Python Training (IIT Bombay)
- C++ Training (IIT Bombay)