RAHUL SINGH

② rahulsingh2240@gmail.com✔ Noida. India

EXPERIENCE

Gradeup

Software Engineer - Machine Learning

May 2020 - Present

- As a sole Machine Learning Engineer, my role is to develop scalable classifiers, regression and predictive models using machine learning and deep learning.
- Develop Python APIs and integrate it with NodeJS backend, use Celery workers and Redis to make best use of CPU resources and storing data to big query and also manage the EC2 instances from scratch for the complete project deployment.

Google Summer Of Code 2019

Student Developer

May 2019 - September 2019

- Selected as one of two participants out of 25+ candidates for the 3
 month internship for developing an invitation system for an open
 source project.
- Developed an invitation system in Ruby on Rails to invite people to Open Source Event Manager. Invited people through mail, with a link that includes a unique token, stored the invitations in database.

Smart India Hackathon 2020 - 1st Position Backend Developer

August 2020 - August 2020

- Won 1st place out of 50+ teams nationwide by working with 5
 colleagues to develop a web application that includes a rich text
 editor with real time collaboration of users along with video chat, for
 a government e commerce portal.
- Used Sockets, WebRTC for real time collaboration and video chat in NodeJS.

Gradeup

Machine Learning Intern

🛗 Jan 2020 - April 2020

- Cleaned 90% spams in the app, which reduced the spam complaints by 60% and improved users satisfaction by 10% by developing a spam detector using deep learning.
- The app uses Python APIs for detecting spam in text and images.

Phocket - Instant Access To Cash

Data Science Intern

math April 2019 - July 2019

- Automate the fraud checking process in bank statement of users.
- Applied unsupervised learning algorithms such as clustering, nearest neighbours, principal component analysis, etc. to know about the spending patterns of user.

EDUCATION

B.Tech (IT) - 8.03/10 CGPA

J.S.S Academy Of Technical Education

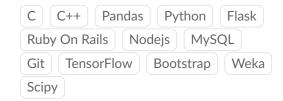
Moida, India | Aug 2016 - Sept 2020

Senior School - 84%

Uttarakhand Public School

🛗 Noida, India | May 2015 - May 2016

PROFESSIONAL SKILLS



PROJECTS

- Half Life Regression Implemented the paper from scratch that uses students past record of test results of particular subject and predict the strength in that subject overtime using half-life regression.
- Pithugram A **Twitter** like micro-blogging website, built on **Ruby on Rails**. Allows user to sign up, tweet, follow other users.

PUBLICATION

Journal Articles

- "Breast Cancer Classification Using Transfer Learning" (July 2020). In: Lecture Notes Of Electrical Engineering, Springer.
- "Deep Learning Approach Towards Hand Gesture Classification With Transfer And Sequence Learning" (July 2020). In: Publication.
- "Improving Healthcare By Preventing Diseases Caused By Improper Waste Disposal Using Deep Learning" (July 2020). In: Publication IET Journal.

OTHER

 Mentored students in Google Code In 2019 for Tensorflow organization.