

RAHUL SINGH

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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

📅 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

📅 Noida, India | Aug 2016 - Sept 2020

Senior School - 84%

Uttarakhand Public School

📅 Noida, India | May 2015 - May 2016

PROFESSIONAL SKILLS

C C++ Pandas Python Flask
Ruby On Rails Nodejs MySQL
Git TensorFlow Bootstrap Weka
Scipy

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.