RAHUL SINGH

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EXPERIENCE

Byjus ExamPrep

Software Engineer

May 2020 - Present

- Improved searching algorithm in ElasticSearch that improved response time and search results.
- Removed php scripts and build APIs in nodejs application and dockerize both the applications.
- Trained multiple deep learning models and made the service production ready.
- Adopted different tech stacks according to the needs.

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 SDE 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

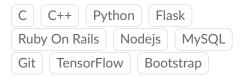
Moida, India | Aug 2016 - Sept 2020

Senior School - 84%

Uttarakhand Public School

Moida, India | May 2015 - May 2016

PROFESSIONAL SKILLS



PROJECTS

- Event Manager Built an event manager that uses push notifications to notify the subscribed users of that event through desktop and mobile notifications using nodejs.
- 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.