

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

📅 Noida, India | Aug 2016 - Sept 2020

Senior School - 84%

Uttarakhand Public School

📅 Noida, India | May 2015 - May 2016

PROFESSIONAL SKILLS

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

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.