

# ADITYA BHATNAGAR

Junior, Indian Institute of Technology Roorkee

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## EDUCATION

### Indian Institute of Technology, Roorkee

July 2018 – Present

- Chemical Engineering
- CGPA : 8.77/10.00

### D.A.V. Public School, Kota

April 2016 - March 2018

- Sr. Secondary Education, Central Board of Secondary Education (CBSE)
- Class XII Percentage : 96.2

### Delhi Public School, Noida

April 2014 - March 2016

- High School, Central Board of Secondary Education (CBSE)
- Class X C.G.P.A. : 10.00/10.00

## SOCIETIES & MEMBERSHIPS

### Project Leader at Information Management Group, IIT Roorkee

January 2020 - Present

- IMG is a group of students that constantly strive to lead in the innovation, development and maintenance of advanced information technologies including computer systems, software and database systems.

### Co-opted Executive manager of Web development at Cognizance team, IIT Roorkee

January 2019 - Present

- Currently a member of the Web development team of Cognizance which is the annual tech fest of IIT Roorkee. The website witnessed 4M+ web hits in 2019. Handled backend technologies like NodeJs, Containerization, React and Redux. Headed a team of 5 developers in my sophomore year and managed to make the website within a span of 1.5 months.

## WORK EXPERIENCE

### Google Summer of Code

May 2020 - August 2020

- Worked as a Student Developer in this year's (2020) season of Google Summer of Code for the Sustainable Computing Research (SCoRe Lab) organization and I worked on their Labellab project which is based on building a highly scalable and efficient Image labeling and project management tool for researchers for the primary purpose of path tracking of objects.
- My primary field of focus is around developing a scalable and reliable backend for the app, making project management tool and developing a labeller tool and containerizing the entire application using Docker and deploying it to the Google Cloud Platform.

## TECHNICAL PROJECTS

### Noticeboard for Institutes notices

August 2020 - Present

- Worked as a part of Information Management Group, IIT-R.
- It is the official notice publishing portal of the institute used by the authorities and faculties alike to convey important notices by the administration or any other authority to the masses of the institute.
- Tech stack includes JS, ReactJS, Redux, Python, Django.
- It is live at <https://internet.channeli.in/noticeboard> to view it one can login as a guest.

### Slambook for the Institute

Feb 2020 - April 2020

- Worked as a part of Information Management Group, IIT-R.
- Developed the frontend of the Slambook app for Omniport (The new intranet portal of IITR) which is a place to for the final year students to cherish their long years at the college by sending and receiving virtual slams and memories in the form of photos.
- Tech stack includes JS, ReactJS, Redux, Python, Django.

### Cultural Society Website

Dec 2019 - Feb 2020

- Developed the website for the Cultural Society of IIT Roorkee under the aegis of Design Studio. The website incorporates the concepts of the Content Management System.
- It is developed with a full-fledged dashboard where various cultural group members can add various information about their group and upcoming events along with an archive for maintaining memories of previous events.
- Tech Stack - NodeJs, Redis, PostgreSQL, Sequelize, ReactJs, CSS, SCSS, Webpack, and Redux.

### Live-Streaming app

Sept 2019 - Sept 2019

- Made the app based on the concepts of RTMP servers and open-source based broadcasting channels.
- Tech Stack - Node.js, React.js, MongoDB, Webpack

## SKILLS

- **Web** : JavaScript, ReactJS, Redux, Django, Flask, SQL, NSQL, Node.js, HTML, CSS, Webpack
- **Computer languages** : Python, JavaScript, C++, GoLang
- **Softwares Tools** : Postman, Git, Docker, Vim, LinuxOS
- **Languages** : English (SRW), Hindi (SRW)

## ACHIEVEMENTS

- Built a live-streaming app and secured 4th place in Syntax Error Hackathon sponsored by HackerEarth, India.