



RAHUL AGARWAL

Contact

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[Github](#)

Courses

- Data structure and Algorithm
- Operating System
- Machine Learning A-Z Udemy

Programming

C++

Python

SQL

HTML/CSS

REACT.js

Django

Achievement

Awarded Letter of Appreciation for highest improvement in grade point average from the head of the department

Volunteer

Member – Event Management Cell

Delivered Guard of Honor to Director, IIT Roorkee on Independence Day and Republic Day(NCC)

Languages

English (Speak, Read, Write)

Hindi (Speak, Read, Write)

Summary

I am a Final Year Undergraduate, pursuing Bachelor of Technology from Indian Institute of Technology, Roorkee. I am immensely fascinated by Data Structures and Algorithms and their application in Software Development. I also have experience in Full Stack Web Development, and topics like Operating System and DBMS interests me.

Education

- B. Tech (4th Year): Polymer Science and Engineering (Indian Institute of Technology, Roorkee) → 8.5 CGPA
- Class 12th: CBSE (Shivjyoti Senior Secondary School , Kota) →82.6%
- Class 10th: ICSE (Holy Child School , Jalpaiguri) →93%

Internships and Projects

Application of Machine Learning to predict Polymer Properties | IIT Roorkee (February 2020 - May 2020)

- Collected a Dataset of over 500 Polymer samples using **web scrapping** and handbook
- Along with some raw variables like (Density, Molar mass), and by using feature engineering a total of 22 features were created including No of Carbon bonds, No of Oxygen atoms, No. of double/triple bonds, etc. Predicted Solubility Parameter of the Polymer.
- Using **Multiple linear regression** achieved an R-squared of 0.71.

Full Stack Web Development (Foodblog)

(June 2020 - July 2020)

- Developed a portal for people to share food recipe videos with friends and family.
- Including complete User Profile Management System.
- Used **Django web framework** and PostgreSQL as Database.
- Hosted on Heroku app server and AWS to store the Database
- [Foodblog website link](#)

Finatic – Portfolio Analytics (Web Development)

(August 2020 – October 2020)

- Finatic is a website for portfolio and investment analytics.
- Get a complete Analytical and Statistical Report for your stock market portfolio in the Indian Financial Markets, Using Chart.js for data visualization.
- Used **Django web framework** and Hosted on Heroku app server.
- [Finatic website link](#)

Extra-Curricular

Senior Executive Member – Enactus Student Chapter, IIT Roorkee

- Did extensive research on innovative ways and technology to curb Paper Waste Crisis and make it a self-sustainable business managed solely by the undermined community.
- Developed Concrete Blocks infused with Waste Paper and Fly Ash. Managing Paper Waste and Decreasing Weight of concrete blocks without any substantial change in Strength or any Physical Properties.