

SHIKHAR SAXENA

B.Tech. Chemical Engineering
UG(III Year I Semester)
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Registration No: B.Tech./CH/18112074/2021

Indian Institute of
Technology
Roorkee



Area of Interest

Data Structure and Algorithm, Machine Learning and Deep Learning

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	8.449
2017	Twelfth	De Paul School, Budaun	95.0 %
2015	Tenth	De Paul School, Budaun	92.0 %

Internships

Summer Internship | Algo One

30th April, 2020 - 29th June, 2020

- The Project was basically to deal with the shortcoming which are present on the Google Finance website.
- Used Pygsheets and Gspread Api of python for working on Google Spreadsheet and extracting each information of an individual stock.
- Construction of historical and real-time synthetic indexes in equity markets using Google Finance data.
- Used Dynamic Visualization tools for visualizing the indexes in stock markets.

Projects

Captcha Filling | Artificial Intelligence and Electronic Society(ArIES)

3rd Oct 2019 - 10th Mar 2020

- This project deals with text detection of captcha images from any websites.
- It uses a Optical Character Recognition (OCR) to images using Tesseract, Python, and OpenCV to find the text the images.
- Further Selenium Web-Driver was used for automatic filling of captcha on the website.
- This project was to be displayed in Srishti'20, The Annual Technical Exhibition.

Pedestrian Detection in Videos | Data Science Group

1st Dec, 2019 - 30th Dec, 2019

- Build a model for pedestrian detection from videos.
- Used OpenCV Library along with harcasade classifier to detect human face.
- Used as a surveillance system for numerous utility areas like event detection, crowded vicinity evaluation, gender classification, fall detection in elderly humans, etc.

Awards / Scholarships / Academic Achievements

- Jee Advance(2018) - AIR 2926
- Jee Mains(2018) - AIR 5817

Skills

Computer languages	C++, Python , Java
Software Packages	Excel, Google Spreadsheet, Jupyter Notebook , Spyder , Slack , Microsoft Office
Additional Courses Taken	Economics
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Member | Data Science Group

2020-Present

- We conduct several workshops and Discussions on the Data Science in the college campus.
- We strive to nurture the Machine Learning and Deep Learning culture at IIT Roorkee by making various projects.

Executive | National Service Scheme

2018 - Present

- Active member in N.S.S
- Participated in Blood Donation Camp and National Road Safety Campaign.
- Conducted various social service programs

Executive | The Chemical Engineering Student's Society

2019- Present

- Arranges lecture of distinguished personalities in department of Chemical Engineering.
- Conducted "OPEN DAY". On this day students play games such as billiards, table-tennis etc.
- Arranges debate and quizzes for students

Undergraduate Teaching Assistant | Academic Reinforcement Programme IIT Roorkee

2019-2020

- UGTA for a batch of 25 freshmen for Mathematical Methods during the spring semester.
- Organized lecture sessions for the students facing problems in the academics.
- Mentored the students with their academic as well as non-academic problems and solved their career-related issues.

Volunteer | Unnat Bharat Abhiyan

2019-2020

- Volunteered in Unnat Bharat Abhiyan.
- Took part in Cattle Vaccination Program conducted in the month of February 2019.