

AARYAN JAIN

B.Tech. UG(2nd Year II Semester)

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Registration No: B.Tech./ME/23117002/2023

Indian Institute of
Technology
Roorkee



Area of Interest

Software Development, Open source contributions, Integration of ML with development, Public speaking, anchoring

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	8.52
2023	JEE ADVANCED RANK	Allen Pune	3056
2021	Tenth	Vibgyor NIBM ICSE	96 %

Projects

Assignment Review System - DUES IMG | IIT Roorkee

- Backend :- Django (using JWT tokens for authorisation, use of web sockets as well through ASGI server run on Daphne)
- Frontend :- React + Vite (Tailwind CSS used)
- Database :- postgresql, Redis (Celery for queuing)
- This was a 5 months long project focused on building an assignment review system, but I took it one step forward by enabling real time voting, chatting, organisation handling, permission handling, email reminders, using tailwind CSS for styling, and web sockets for real time updates.
- Dockerised this project (ready for deployment)

Tareek-pe-Tareek | Syntax Error 2024 - hackathon

- Integrated machine learning models with development having backend on Django, frontend on React + Vite.
- The main task was to find the perfect matches for people depending on the user parameters. We used a weighted points model.

Socially - Season of Code | Season of Code MDG Space

- This project was my first mentorship program with MDG space targeted towards making a minimalistic college centric social media website (frontend on Next.js)
- It had unique features like meme generation, jokes generation, and integration of APIs to handle uploading videos and photos on the go

Syntax Error 2023 | Syntax Error 2023 - FIRST PRIZE

- Used Flask as backend
- This project was focused at creating a user interface wherein one can get recommended songs based on their mood, set the summary of songs, a very cool EDM integration, and a game to guess the genre.

Break A sphere | IMG Internal Hackathon 2024

- Created a trading platform run on subscriptions and other features enabling the user to gather incentives
- Made use of JWT tokens for authorisation

Winter analytics | Data science competition

- Comprised of precise and visual use of libraries like seaborn, matplotlib, etc in order to gain insights related to the churning rates of customers
- Made use of XGBoost as the model to deduce the churn rate in future

Open Source Contributions

- DJANGO CHANNELS - <https://github.com/django/channels/pull/2122#issuecomment-2593786150>
- AOSSIE - EDUAID - <https://github.com/AOSSIE-Org/EduAid/pull/82#issuecomment-2590934745> (work in progress)
- IMG - PwManager - <https://github.com/IMGITRoorkee/PwManager> (active contributor and maintainer)
- DJANO DAPHNE - <https://github.com/django/daphne/issues/389#issuecomment-2586400468> (work in progress)
- I have also been in touch with KDE organisation (community) regarding the KDE Eco Test and Remote ECO LAB meetings

Skills

Computer languages - Python, C++, Javascript, Java, Typescript, HTML, CSS, Tailwind CSS

Others - Redis, Web sockets, Postgresql, MongoDB, React.js, Next.js, Django, Flask, Celery, git

Additional Courses Taken - Data Structures and Algorithms, Web development, Using python to automate things, Data science and Artificial Intelligence (college course), Competitive programming

Credentials - Codeforces rating **1200+** (participated in more than 15 contests)

Languages Known - English (SRW), Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Onrec, IIT Roorkee

- Anchor at Onrec i.e. official podcasting club of IIT Roorkee
- Winner of Laughing gazette 2024 - FMC
- Anchored respectful guests like Deeksha Sharma (Neuroscientist), Mohit Saxena (Cofounder of the first unicorn of India)
- On stage anchoring annually to represent the club
- Took part in annual initiatives of the club like class of 24 and first impressions

National Social Service, IIT Roorkee

- I was in the management vertical of NSS which was concerned with bringing people together
- I contacted several colleges and startups to take part in the annual event

IMG (Information Management Group), IIT Roorkee

- I am a web developer at IMG (Information Management Group) - club that manages the portal of our college - Channell
- Completed the assignments, participated in hackathons and discussed about tech in several meetings

Other links

Github :- <https://github.com/IronJam11>

Codeforces :- <https://codeforces.com/profile/aaryanjain888>

CodingNinjas :- <https://www.naukri.com/code360/profile/IronJam11>

Leetcode :- <https://leetcode.com/u/IronJam11/>