



**Rose Jethani**  
UG (III Year I Semester)  
B.Tech. (Electrical Engineering)  
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Registration No: 21115122/2024



**Area of Interest**  
Solidity, React.js, CSS, HTML, Node.js, Machine learning

**Education**

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2023	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	8.11
2021	Intermediate (Class XII)	Sankalp Public School, Neelbad, Bhopal	95.00 %
2019	Matriculate (Class X)	Delhi Public School, Neelbad, Bhopal	97.20 %

**Internships**

**The Indian Traffic Dataset for Intelligent Transportation Systems | IIT Roorkee** July 2022 - April 2023

- Created a labelled dataset for vehicle detection in heterogenous and homogenous Indian Traffic conditions.
- Extracted images from the video using VLC Player API and FFmpeg library based on the traffic flow and density.
- Labelled over 11000 images into 9 classes as per the Indo-HCM manual for use in India and other South Asian countries.

**Manthan DEX | TimeChain Labs** May 2023 - August 2023

- Built a crypto exchange platform. It provides functionalities for market makers to list their tokens, create asks with values, and allows buyers to place bids on those tokens. The platform includes a trade matching engine that matches asks with bids based on price and quantity.

**Projects**

**Ecommerce React | IIT Roorkee** October 2023

- It's a production ready E-commerce platform using reactjs.

**Chat with pdf | IIT Roorkee** October 2023

- This project has the capability to analyze PDF documents, answer user questions, and provide responses from the PDF using the OpenAI API

**Password Manager | IIT Roorkee** October 2023

- Created a tool that helps users manage their passwords. It allows users to securely store and organize their login credentials, making it easier to access and manage their various online accounts while maintaining the confidentiality and security of their sensitive information.

**Texas Instruments | Mentorship Program** May 2023 - June 2023

- The program included a mix of virtual and in-person mentoring, hands-on experience designing a chip through simulation experiments, lab visits, and technical talks, as well as informal networking sessions with the leaders at TI.
- The final week was spent at the TI campus in Bengaluru where we interacted with other engineers to understand more about how chips are made, the different functions that contribute to making a product.

**Mentee | Microsoft Azure #Include<her> Cohort 2.0** June 2023 - July 2023

- Being a part of the #Include Her 2.0 Cohort organized by Microsoft Azure and the Azure Developer Community has been inspiring learning journey, exploring the vast potential of AI (especially Computer Vision and NLP) in Azure.

**Self Driving Motors Using RL | Aries, IIT Roorkee** July 2023 - August 2023

- Worked with Artificial Intelligence and Electronics Society, IIT Roorkee
- the project aimed to train self driving car using reinforcement learning and stimulate it on environment known as CARLA.

**Smart Bike Helmet | MaRS, IIT Roorkee** May 2022 - July 2022

- The Helmet contained advanced features such as alcohol detection, accident detection, and live location tracking.
- Learnt IoT, Arduino, worked with sensors and was familiarized with the various platforms that are used for IoT through this project.

**Awards / Scholarships / Academic Achievements**

- Selected as one of the top 50 candidates nationwide for the prestigious Tata Steel Women of Mettle program
- Secured AIR- 4743 in JEE Advanced 2021.
- Secured 99.71 percentile( AIR- 3294 ) in JEE Mains 2021.
- Joint 1st Runner Ups in Enact-A-Thon 3.0
- Finalists in Business Bazigar, an Institute level competition which focuses on developing Consultancy and Business skills among students.
- Finalists in Endeavour(Team Blended), an Institute level competition which focuses on developing Entrepreneurship skills among students.

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## Skills

Computer languages Python, C++, Solidity, HTML, CSS

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## Positions of Responsibility & Extra Curriculars

**Member** | MaRS, IIT Roorkee

June 2022 - November 2022

- MaRS is a group of Robotic enthusiasts wanting to learn, innovate and develop things that makes life simpler. It focuses mainly on research-based robotics projects using Electronics concepts and advanced Machine Learning techniques

**Member** | Dramatics Club

April 2022 - April 2023

- - Participated in Inter IIT Cultural 5.0 held at IIT Madras. Performed in Street play ( 'Sir!! Disagree') at Dramatics section IIT Roorkee. Played a role in managing production and non cast roles in Kasturi Marg, IITR.

**Member** | Improv Club

April 2023 - Present

- The Improv Club aims to bring professionalism to the stand-up culture of IIT Roorkee. Organized, hosted and performed in Open Mics and Stage Shows and conducted workshops for interested people. Participated in Stand Up Comedy - General Championship held during Inter-Bhawan Cultural GC 1.0

**Member** | Cinesec, IIT Roorkee

April 2022 - Present

- The Cinematic Section works toward making various short films and other videos. Various projects to which I have contributed include Valentines Video, Freshers' video, etc.

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## References

### Abdul Saleem

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### Sakshi Biyani

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