



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



Education

| Year | Degree/Examination | Institution/Board | CGPA/Percentage |
|------|--------------------------|---|-----------------|
| 2023 | B.Tech. 2nd Year | Indian Institute of Technology, Roorkee | 7.111 |
| 2021 | Intermediate (Class XII) | Sankalp Public School, Neelbad, Bhopal | 95.00 % |
| 2019 | Matriculate (Class X) | Delhi Public School, Neelbad, Bhopal | 97.20 % |

Internships

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.

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.

Projects

Soul Token App | IIT Roorkee

May 2023

- Allows users to create and mint Soulbound NFTs (SBTs).

NFT minting dapp | IIT Roorkee

May 2023

- A web application that allows users to create and mint non-fungible tokens (NFTs) on a blockchain.

Token Curated registries | IIT Roorkee

July 2023

- Ethereum smart contracts based implementation of token curated registries

Mentee | Microsoft Azure #Include 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.

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.

Awards / Scholarships / Academic Achievements

- Secured AIR- 4743 in JEE Advanced 2021.
- Offered Pre- Internship offer from Texas Instruments
- Secured 99.71 percentile(AIR- 3294) in JEE Mains 2021.
- Selected as one of the top 50 candidates nationwide for the prestigious Tata Steel Women of Mettle program

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 | 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.