

ROSE JETHANI

rosejethani28@gmail.com

+91 9131009165

Bhopal, Madhya Pradesh, 462030

EDUCATION

Indian Institute of Technology, Roorkee
Bachelors of Technology
Electrical engineering(II year, I semester)

November 2021 - Present
Overall CGPA: 7.40/10

Sankalp Public School
Senior School Certificate Examination
Central Board of Secondary Education

2021
Overall Percentage: 95.00

Delhi Public School, Neelbad, Bhopal
Secondary School Examination
Central Board of Secondary Education

2019
Overall Percentage 97.20

ACADEMIC, RESEARCH AND INDUSTRIAL EXPERIENCE

The Indian Traffic Dataset for Intelligent Transportation Systems July 2022 - October 2022
Research Intern

Guide: Dr Amit Agarwal, Assistant Professor and Joint Faculty at Mehta School of Data Science, IIT Roorkee

- Created a labelled dataset for vehicle detection in heterogenous and homogenous Indian Traffic conditions.
- Collected videos from cities all over India, such as Delhi, Bangalore, Hyderabad, Surat, Ludhiana and Ahmedabad.
- 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.
- The paper describing the dataset has been sent to the Computer Vision and Pattern Recognition(CVPR) conference, 2023.

PUBLICATIONS

ITD: Indian Traffic Dataset for Intelligent Transportation Systems Status: Under Review
The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2023
Kabir Kedia, Anurag Thombre, Rose Jethani, Amit Agarwal

The IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR) is the premier annual computer vision event comprising the main conference and several co-located workshops and short courses. With its high quality and low cost, it provides an exceptional value for students, academics and industry researchers.

<https://cvpr2023.thecvf.com/>

PERSONAL UNDERTAKINGS

- Smart Bike Helmet August 2022 - September 2022
- Worked with Models and Robotics Section, IIT Roorkee, to develop Smart Bike Helmet.
- 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.

Self Driving Motors Using RL May 2023 - Present

- 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.

Code-Editor("https://github.com/rose2221/Code-editor") April 2023 - Present

- Launches the test runner in the interactive watch mode. See the section about running tests for more information.
- Builds the app for production to the build folder. It correctly bundles React in production mode and optimizes the build for the best performance.

ACADEMIC ACHIEVEMENTS

- JEE Mains 2019 All India Rank-3294
- JEE Advanced 2019 All India Rank-4743

EXTRA-CURRICULAR

Member - Standup, IIT Roorkee May 2023 - present

Group of students highly enthusiastic to explore different domains of comedy like standup comedy, improv comedy, sketch comedy etc.

Member - CineSec, IIT Roorkee May 2022 - present

It is Cinematic Section of IIT Roorkee which is dedicated in capturing imagination on camera and turning them into videos. Our section publish vibrant categories of videos including short movies, campus news and trends, interviews, animations, informational videos, gags, events coverage and feedbacks.

Member - MARS(Models and Robotics Section), IIT Roorkee September 2022-present

- It is the official Robotics club of IIT Roorkee. Our Section aims to build socially impactful robots.

Member - Enactus, IIT Roorkee March 2021-present

- Experiential learning platform developing Next Generation leaders with a head for business.

Member - Onrec, IIT Roorkee December 2021 - present

- The podcasting club of IIT Roorkee.

Member - Dramatics Section, IIT Roorkee April 2021 - Present

- Participated in Street Play- Sir! I Disagree. that was held in IIT Roorkee
- Participated in Street Play of Inter IIT cultural competition held in IIT Madras.