

# Ramesh Kasotiya

2021 B.Tech. Graduate, IIT Ropar

rkkasotiya@gmail.com ✉

+919646457387 📞

01 July, 1998 📅

github.com/Techaso 🌐

I'm an inquisitive person who has constantly been trying to improve himself and his surroundings, using his emotional intelligence and values centred & people oriented decision making nature.

## EDUCATION

### B.Tech. Electrical Engineering

Indian Institute of Technology (IIT) Ropar

2014 - 2021

CGPA: 5.90

#### Relevant Courses

- Data Communication and Networking,
- Data Structures,
- Database Systems, etc.

### Intermediate/+2

Subodh Public Senior Secondary School, Sikar

2012 - 2014

Percentage: 85

#### Board

- Rajasthan Board of Secondary Education

## WORK EXPERIENCE

### Co-founder

College Diary Startup

08/2017 - 08/2018

IIT Ropar, India

Idea was to build a strong communication network among educational institutes in India.

#### Achievements/Tasks

- Pre-incubated by TBI-IIT Ropar.
- Handled external communication and activities. Initiated procedure for deployment in IIT Ropar.
- Handled all UI/UX aspects of the app and web-dev.

Contact Details: On top.

### Founder

Personalised Poster Printing

08/2016 - 08/2018

IIT Ropar, India

Idea was to deliver eye-catching personalised posters to college students for building motivational environment around them.

#### Achievements/Tasks

- Turnover of 45000+ rupees in 3 months.
- 250+ happy customers.
- Delivered quality posters at a very low cost (Rs. 15-20 per poster compared to Rs. 150-300 online selling price).

Contact Details: On top.

## ACTIVITIES | IIT ROPAR

Astronomy Club, Zeitgeist and Advitiya (2015 - 2017)

Organized an astronomy event - Celestia'15, being a member of Astronomy Club. Worked in decoration and publicity team for Zeitgeist'16. Designed creative brochure, t-shirts, ID cards and numerous posters for the annual tech-fest Advitiya'16 and Advitiya'17.

## SKILLS

Python

JavaScript

MySQL/PostgreSQL

MongoDB

PHP

MATLAB

NodeJS

Git

Adobe XD

Photoshop

C

Firebase

LaTeX

## PROJECTS

### YouTube Channel Analysis (09/2020)

- Idea: How YouTube's channel analytics and trending videos features work.
- Published an article on Medium with comprehensive visualizations for different analytics. [\[link\]](#)
- Worked with JSON, YouTube Data API, Python, and its libraries (Pandas, Seaborn, Matplotlib).

### Collision Optimization in Slotted-Aloha using Reinforcement Learning [BTP Research Project] (01/2020 - 12/2020)

- Objective: To decrease data packets collisions and increase throughput in Slotted-Aloha using Reinforcement Learning.
- Worked with MATLAB, and developed an algorithm named Memory based Q-Learning on Slotted-Aloha (MQSA).
- MQSA performs up to 80% better than Slotted-Aloha when there are less number of nodes in the system.

### Faculty Leave Application Portal (04/2021)

- Implemented profiles a/c to authority levels, and features like apply & reject leave, comment & reply, shift authority, history, etc.
- Developed the full-stack application in JavaScript, PostgreSQL, MongoDB and PHP. [\[GitHub link\]](#)

## ACHIEVEMENTS

### YouTube Channel Analysis' among top 15, out of 4000+ projects (2020)

Organised by Jovian.ai and featured on zerotopandas.com

### Won Research Conclave web-design competition (2018)

Organised by IIT Ropar

### Won second prize in duet singing competition - Zeitgeist (2018)

Zeitgeist is the annual cultural festival of IIT Ropar

### Won Student Affairs web-design competition (2017)

Organised by IIT Ropar

### Won Board of Sports Activities logo-design competition (2017)

Organised by IIT Ropar

### Ranked second in poster design competition - Quintessence (2015)

Quintessence is the intra college tech-fest of IIT Ropar

### Secured fourth position (out of 16+ teams) in Manual Bot Competition (2015)

Organised by Robotics Club, IIT Ropar