

# RAMESH KASOTIYA

2021 Graduate

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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. [\[relevant link\]](#)

## EDUCATION

### B.Tech. in Electrical Engineering IIT Ropar

2014 - 2021

CGPA: 5.90

- Data Communication and Networking
- Database Systems
- Data Structures
- Programming in C

### Intermediate

SPS Secondary School, Sikar

2012 - 2014

Percentage: 85

- Rajasthan Board

## WORK EXPERIENCE

### Co-founder

College Diary Startup

08/2017 - 08/2018

*Had a motive to build a strong communication network among educational institutes in India.*

- Pre-incubated by TBIF-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.

### Founder

Personalised Poster Printing

08/2016 - 08/2018

*Had a motive to deliver eye-catching personalised posters to college students for building motivational environment around them.*

- Turnover of **INR 45000+** in 3 months.
- 250+ happy customers.
- Delivered quality posters at **85-90% lesser price** than online selling price.

## RESPONSIBILITIES

Member of Organising Team, Astronomy Club (Zenith)

*Organized an astronomy quiz based event - Celestia'15.*

Member of PR Team and Decoration Team, Annual Cultural Festival (Zeitgeist)

*Worked in decoration and publicity team for Zeitgeist'16.*

Member of Designing Team, Annual Technical Festival (Advitiya)

*Designed a brochure, t-shirts, ID cards and posters for the Advitiya'16 and Advitiya'17.*

## TECHNICAL SKILLS

JavaScript

Python

PHP

Git

MATLAB

MySQL/PostgreSQL

Express.js

Node.js

Sass

Adobe XD

MongoDB

Pug

React.js

## PROJECTS

[BTP] Research Project in Communication field (01/2020 - 12/2020)

- Worked with **Reinforcement Learning** for collision and throughput optimization in Slotted-Aloha.
- Developed an algorithm 'Memory based Q-learning on Slotted-Aloha (MQSA)' to increase performance.
- Compared to Slotted-Aloha, MQSA performs up to **80% better** when there are less number of nodes in the system.

YouTube Channel Analysis (09/2020)

- Showcased understanding of how YouTube's 'channel analytics' and 'trending' features work. [\[Medium link\]](#) [\[Project link\]](#)
- Prepared and explored a dataset of 'T-Series' channel, and showed its graphical analysis. [\[Project Walkthrough\]](#)
- Analysed **effect of Covid** pandemic on performance of the channel.
- Featured among **top 15**, out of **4000+** projects. [\[Featured here\]](#)

Faculty Leave Application Portal (04/2021)

- Developed a web portal for facilitation of leave applications of faculties. [\[GitHub link\]](#)
- Portal has features like apply/reject leave, comment/reply, leaves history, change authority's position, etc.
- Developed hierarchy of application process in the portal.

## ACHIEVEMENTS

Won 'Research Conclave' web-design competition (2018) 🏆

*Organised by Research Conclave Committee*

Won 'Student Affairs' web-design competition (2017) 🏆

*Organised by Student Affairs Committee*

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

*Organised by 'Board of Sports Activities (BoSA)'*

Second in poster design competition of intra college techfest (2015)

*Organised by 'Board of Science and Technology (BoST)'*

Second in duet singing competition of annual cultural festival (2018)

*Organised by 'Board of Cultural Activities (BoCA)'*

Fourth (out of 16+ teams) in Manual Bot Competition (2015)

*Organised by Robotics Club*