

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

2017 - 2018

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

- 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.

Founder Personalised Poster Printing

2016 - 2018

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

- 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).

RESPONSIBILITIES

Astronomy Club (Zenith)

Organized an astronomy event - Celestia'15.

Annual Cultural Festival (Zeitgeist)

Worked in decoration and publicity team for Zeitgeist'16.

Annual Technical Festival (Advitiya)

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

TECHNICAL SKILLS

MongoDB

Express.js

React.js

Node.js

JavaScript

Sass

Python

MySQL/PostgreSQL

PHP

Git

MATLAB

Adobe XD

Firebase

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 named 'Memory based Q-learning on Slotted-Aloha (MQSA)' to increase performance.
- MQSA performs up to 80% better than Slotted-Aloha 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.
- Prepared and explored a dataset of 'T-Series' channel, and visually analysed different relationships for its statistic parameters.
- Analysed Corona pandemic's effect on the performance of channel.
- Among top 15, out of 4000+ projects. [\[Medium link\]](#) [\[Project link\]](#)

Faculty Leave Application Portal (04/2021)

- Developed a web portal where faculties can apply for leave and authorities can approve or reject those leaves. [\[GitHub link\]](#)
- Portal has features like apply/reject leave, comment/reply, leaves history, change authority's position, etc.
- Developed hierarchies for the approval process of application.

ACHIEVEMENTS

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

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

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

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

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

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