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 links: [All learnings] [Personal website]

EDUCATION

B.Tech. in Electrical Engineering
IIT Ropar

2014 - 2021   *CGPA: 5.90*

- Data Communication and Networking
- Data Structures
- Database Systems
- 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)
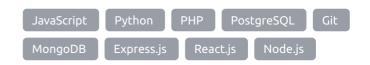*Organized an astronomy quiz based event - Celestia'15.*

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 · PostgreSQL · Git
MongoDB · Express.js · React.js · Node.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. [LIVE] [CODE]
- 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