

Ronak Bhatt

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EXPERIENCE

•Reliance Industries Limited

Jul 2019 - Jul 2022

Manager

Hazira, Surat, India

- Improve current plant process efficiency by latest technology such as AI. Eg. Identified defective product PBR with image recognition
- Technically oriented mechanical engineer worked at MEG plant with a focus to perform management activity related to maintenance
- Manage the manpower and prioritize the job by taking into account all safety hazard of the process
- Successfully installed Oxygen lines to supply oxygen from MEG1 plant to Surat city within just 2 days during critical condition of covid 19.
- Carried out following Task in SAP and MMCS on regular basis: Permit creation, Order create/closure, maintain history in notification, Material stock check/Material issue, Use of MMCS to find material, Material code extend
- Effectively carried out jobs in following 3 plant shutdowns in package of column: MEG1 Dec 21 shutdown, PVC march 21 shutdown, PTA3 Sept 21

•Chegg India

June 2020-July 2022

Subject Matter Expert in Calculus

Part time job

- As a subject expert I had to solve various problems asked by students. I was also enjoying while doing it as I was also learning new things.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
PGP (AI&DS)	Jio Institute	8.50	2022-Present
B.Tech (Mechanical Engineering)	Dharamsinh Desai University(DDU)	8.04	2015-2019
Class XII	Reliance School(GSHEB)	83%	2015
Class X	Reliance School(GSEB)	78%	2013

ACADEMIC PROJECTS/ RESEARCH WORK

• Research work

Present

Postgraduate personal project

- I am currently working on research regarding entropy function in decision tree.
- There could be other potential functions which can do similar work as of entropy on which I'm doing experiments.

• Exoskeleton

Dec. 2018 - March 2019

Undergraduate Major project

- The project objective was to make work load of labor easy. It has been observed that many labor's health affected because of inefficiently techniques of lifting the heavy load.
- We created upper part of exoskeleton which make lifting load equally distributed on body with help of pneumatic cylinders arrangement.
- Exoskeleton system was capable to lift about 300 kg load.

• Basketball Game Analysis

Personal project

- The project objective was to learn python get some fruitful insights of games.
- Successfully got some interesting insights for few players which can't be observed just by looking at data. Eg. One player has very high accuracy for 3 pointer basket but he was getting very few attempt for it.

• Covid 19 Analysis

Personal project

- The objective of this project was to collect live data of Vadodara city perform data analysis on it to observe trend.
- Based on trend forecast the upcoming cases.

• Sepsis Prediction

Postgraduate minor project

- Main objective is to predict if person will get sepsis before 12 hrs of one actually get sepsis.
- I had to go deep in to medical domain to engineer the better features so that I can create better model.
- I also visualize various plots in order to know how to various features are affecting to patient.

• Cook wok

Postgraduate minor project

- Build engine similar to Alexa which can answer your queries while you cook any recipe.
- Through this project I get expertise in web scraping.
- I explored various Deep learning models in order to do this.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, MATLAB, MySQL, PLC
- **Developer Tools:** Visual Studio, VS Code, Weka, Git, PyCharm, Google colab, Jupyter lab
- **Data Analytics:** Deep Learning , Machine Learning, Statistical Modelling, Predictive Analytics

CERTIFICATION

- **Python A-Z, Python for Data Science with Real Exercise!**

Udemy

- **Introduction to Data Science in Python**

University of Michigan, Coursera

- **Machine Learning**

Stanford University, Coursera

- **PLC and Automation**

Bosch Rexroth Center of excellence, DDU

- **NATIONAL CADET CORPS Grade 'B'**

NCC - P.O Cadet school NCC

HOBBY

- **Trekking**

I have trekked brighu lake which is elevated at 14,100 ft

- **Meditation**

It's way to balance my mind in high entropy world!

- **Cycling**

I'm a cyclist. Looking forward to go beyond infinite.