

# Simran Gandhi

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## EDUCATION

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### Manipal University Jaipur (MUJ)

2019 – 2023

B. Tech Information Technology

CGPA:8.2/10

*Relevant Coursework* – Data Structures and Algorithms, Machine Learning, Relational Database Management, Data Warehouse & Mining, Engineering Mathematics, Data Science, Cryptography, Deep Learning, Big Data Analytics, Natural Language Processing.

## ACADEMIC PROJECTS

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### Analysing Emotions using Emojis

- Analysed different emotions to make it easier to categorize these emojis.
- The different categories of emojis were determined by using scikit learn programming.
- Plotted the comparison of number of emojis in different categories by using matplotlib library.

### Agricast:

- Agricast analyses the weather forecast and helps predict the approximate time when the farmer can start working on his crops.
- The web app is user friendly, as all they have to do is enter their location, the crops they are growing and the current date.
- Based on the above features, the app will provide the appropriate time to start: preparing the soil, sowing the seeds, irrigating the land and harvesting their desired crop that year.

### Masked:

- Used the basics of OpenCV and concepts of face recognition that are based on the geometric features of the face.
- The machine was trained to pick up if the person was wearing a mask or not.
- Following the detection, the machine sent a message stating the same.

### Medhac:

- User friendly web application using HTML, CSS and JavaScript.
- One stop destination providing medication for common diseases, at subsidized prices for lower income group of the society.

## WORK EXPERIENCE

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### Intern – Ernst & Young India

January 2023 – May 2023

- Worked towards making a Pharma Supply Chain Dashboard using web development tools and database management tools like MySQL.
- Researched on the different AI and ML tools that could be used in the supply chain management of oral dosages and injectables.

### Intern – Amdocs

June 2022 – August 2022

- Developed a MS-Teams bot to monitor application logs and for small self-healing functionalities.
- Learned about the key concepts of Database Management using MySQL.

### Machine Learning Intern – 3DSP

September 2021 – January 2022

- Developed machine learning algorithms and models for semantic segmentation of anatomy from various medical imaging modalities.
- Collaborated with a teammate to create proof-of-concepts on image processing, transformations, filters etc.

### Training Intern – Diginique Tech Labs in Association with IIT Roorkee

March 2020 – May 2020

- Completed one-month industry project about stock predictions using scikit learn.
- Learned how new libraries are essential for learning Data Analytics, Machine learning, AI.

## POSITIONS OF RESPONSIBILITY

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### Head of Graphic Design, IEEE WIE MUJ

May 2021 – May 2022

- Overlooked the designing of event posters, core reveals, brochures and certificates by using Canva and Adobe Photoshop.
- Managed the Instagram handle of the club.

### Head of Placement, LearnIT MUJ

November 2021 – June 2022

- Created mock placement drive papers along with my team.
- Helped the IT students of the final and penultimate year practice for the upcoming placement season.

## SKILLS

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Languages and Technologies – Python | MySQL | Data Science | Machine Learning | C++

Certificates – Python for Everybody, Coursera | Python Course, Progate | Microsoft Technology Associate | C++ Programming, Aptech