

# MEHUL SANGHVI

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## CAREER OBJECTIVE:

Play responsible role in organization that enhances my skills and capabilities, challenges me to perform exceptionally, preferably in a progressive and competitive work culture in a technology driven company.

## ACADEMIC CREDENTIALS:

Degree (Score)	Year of Passing	School/ Institute	Board/ University
M. Tech. in Data Science (9.05 CGPA)	Pursing	School of Technology, Gandhinagar	Pandit Deendayal Energy University, Gandhinagar
B. E. in Computer Engineering (8.40 CGPA)	2021	Silver Oak College of Engineering and Technology, Ahmedabad	Gujarat Technological University, Ahmedabad
12 <sup>th</sup> (73%)	2017	Mahapragya Vidya Niketan, Gandhinagar	CBSE
10 <sup>th</sup> (7.4 CGPA)	2015	Mahapragya Vidya Niketan, Gandhinagar	CBSE

## SKILLS:

- DBMS
- Data Science
- Data Analysis
- Machine Learning
- Deep Learning
- **Programming skills:**
  - C
  - C++

- Python
- Advanced Python
- **Technologies:**
  - Flutter framework
  - Tableau
  - Power BI
  - MySQL

## OTHER SKILLS:

- Good Team Member
- Good Listener
- Positive attitude toward the work
- Quality Work

## KEY PROJECT UNDERTAKEN:

### ○ **B.E Final Year Project**

#### **TITLE: File Simulation System**

Objective of this project is to develop a simulation system for android which can transfer all kind of files and can perform all CRUD operations. We used flutter framework to develop the android application. The backend was designed using google firebase.

### ○ **Project during Employment Phase**

Due to Covid-19, our final year of BE was online. So, I have joined Finlite Technologies Pvt. Ltd. There I was working as a Flutter Developer. List of project during my training period:

- i. **Source Explorer Application:** Flutter based e-commerce android application and desktop application, used for providing services on furniture items.
- ii. **Saakh:** Flutter based android application, used for providing business related services for textile industries.

### ○ **M. TECH Projects**

#### **1. Geo-processing using geo-pandas**

Aim of this project was to study the geo-panda's library in python. We have performed analysis on satellite images using different functions present in geo-pandas' library.

## **2. Stock Price Analysis**

Aim of this project was to study time-series data of stock market and perform analysis based on the opening and closing values of particular stock. Trend analysis was implemented using different kind of ANOVA models, like seasonal ANOVA.

## **3. Semantic segmentation of satellite images:**

Aim of this project was to study about semantic segmentation using UNet, and Graph Neural Network (GNN) algorithms on satellite images. We performed this algorithms to segment the satellite images and compare their result.

## **4. Covid-19 Detection using chest X-Ray and CT-scan Images:**

Aim of this project was to classify given chest X-Ray or CT-scan images, into normal and covid-19 labelled class. We used Convolutional Neural Network (CNN, Deep Learning algorithm) for classifying the image dataset.

## **5. Comparison and Validation of different machine learning and deep learning algorithms on oncological dataset: (Ongoing)**

Aim of this project is to compare the results of different machine learning and deep learning algorithms implemented on numerical and image dataset, respectively. We perform machine learning algorithms like, Support Vector Machine, KNN to classify numerical dataset. And deep learning algorithms like Convolutional Neural Network, EfficientNet (Transfer Learning) to classify image dataset.

## **Certifications:**

- Certificate of Online Course on PYTHON, UDEMY.
- Certificate of Online Course on Fundamentals of Accelerated Computing with CUDA C++, NVIDIA.
- Certificate of Online Course on Architecting with Google Compute Engine, COURSERA.
- Geo-processing using Python, IISR-ISRO.
- Certification in C and C++ courses, C-DAC.

## **Extra-Curriculum Activities:**

- Core Coordinator of Technical Hunt event of POWERFEST-2018, organised by Gujarat Power Engineering and Research Institute.
- Winner of Technical Quiz organized on Engineer's Day 15<sup>th</sup> September, 2017, by Gujarat Power Engineering and Research Institute.
- 2<sup>nd</sup> Runner up in Technical Hunt organized on Engineer's Day 15<sup>th</sup> September, 2017, by Gujarat Power Engineering and Research Institute

## PERSONAL DETAILS:

- **Name:** Mehul Suresh Sanghvi
- **Date of Birth:** 1<sup>st</sup> December, 1999
- **Nationality:** Indian
- **Languages known:** Gujarati, Hindi, English
- **Hobbies:** Travelling, listening music, Football, Volleyball.

## DECLARATION:

I hereby declare that the above-mentioned particulars are true to the best of my knowledge and belief.

*Mehul Sanghvi*