

## SUMMARY

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Passionate engineer & thriving analyst with the ability to apply ML techniques & algorithm development to solve real-world business problems.

## KEY SKILLS

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• **Data Visualization** • **Exploratory Data Analysis** • **ML Algorithms** • **Sentiment Analysis** • **Classification & Regression** • **Natural Language Processing** • **Clustering** • **Quantitative Analysis** • **Predictive Analysis** • **Deep Learning**

## TECHNICAL SKILLS

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- **Packages:** NumPy, SciPy, Pandas, Seaborn, Matplotlib, NLTK, OpenCV, bs4, selenium, request, urllib3.
- **Software and Tools:** Jupyter Notebook, Spyder, Google colab, Sublime, Visual Studio Code, Django REST Framework, Git.
- **Languages, Frameworks and Databases:** Python, Django, Flask, MySQL, SQLite, Oracle, PostgreSQL, PHP, HTML, CSS, JavaScript

## PROFESSIONAL EXPERIENCE

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1 years of experience as a Python & Machine Learning Developer at ShrijiOne Infotech, Ahmedabad, India (Current).

2 Years of experience as a Python Developer & Machine Learning Developer at Desire Infotech, Gandhinager, India.

6 Months of experience as a Oracle Database at Acute Informatics Pvt. Ltd., Ahmedabad, India.

## PROJECTS:

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### Facial Recognition

- Developed Facial Recognition System for Employees
- To implement this project, I have used Python language, **OpenCv** module, **Haar cascade classification** Algorithm and used **Tkinter** for GUI.
- There are three very distinct phases: Face Detection and Data Gathering, Train the Recognizer and Face Recognition.
- **Github Link:** <https://github.com/dipenfaldu1991/face-recognition>

### Data Scientist's Salary Prediction

- Used machine learning's necessary libraries like **Pandas**, **Numpy** and **Scikit-learn** for data analysis.
- Used machine learning's different algorithm like **Linear Regression**, **Random Forest Regressor**, **Decision Tree Regressor**, **AdaBoost Regressor**, to find best accuracy for Data-Scientist's Salary Prediction.
- Created charts in Spyder to perform preliminary analysis & visualize data using **Matplotlib** and **Seaborn**.
- **Github Link:** <https://github.com/dipenfaldu1991/Data-Scientist-s-Salary-Prediction>

### Heart Disease Prediction

- Used machine learning's different classification algorithm like **KNN Classifier**, **Decision Tree Classifier**, **Random Forest Classifier** for Heart Disease Prediction.
- Worked on **Categorical Features** of dataset , train the model to perform the data analysis and find the best accuracy.
- Created charts in Spyder to perform preliminary analysis & visualize data using Matplotlib and Seaborn.
- **Github Link:** <https://github.com/dipenfaldu1991/Heart-Disease-Prediction>

## Diabetes Prediction

- For the given diabetes prediction dataset, I have to predict whether a person has diabetes or not.
- Performed data pre processing, training and testing data, replace missing values , applied feature scaling, and performed data validation for the dataset.
- Used **GridSearchCV** to find the best algorithm for this problem
- Used **K fold cross validation** technique for gaining average accuracy.
- Applied **Classification algorithm** to find best accuracy for Diabetes Prediction.
- Created charts in Spyder to perform preliminary analysis & visualize data using **Matplotlib** and **Seaborn**.
- Deployed this project using **Flask** and **Heroku**.
- **Github Link:** <https://github.com/dipenfaldu1991/Diabetes-Prediction-Deployment>

## Natural Language Processing

- To find out Restaurant review is positive or negative I have used **Sentiment Analysis**.
- Used NLP algorithm and NLTK library for find out reviews.
- Created **Bag of Words model**, Split the dataset into the Training set and Test set, applied classification algorithm, make **Confusion Matrix** and find best accuracy for the model.
- Deployed this project using **Flask** and **Heroku**.
- **Github Link:** <https://github.com/dipenfaldu1991/Restaurant-Reviews-Sentiment-Analysis-Deployment>

## RnD area.com Website

- I have used **Django** framework and **SQLite** for database in this website.
- As per the requirement, There are multiple pages in this website like About us, Contact us, Privacy Policy, Registration, Login, Forgot Password etc.
- There are different modules like Tasks, Projects, Membership Plans, Questions, Jobs are available.
- I have implemented Chat functionality. Users can do chat with other users.
- Employer can post a job on this website and Candidate can apply for jobs as per their requirement. upload resume for job openings.
- I have also implemented Paytm for payment process.

## Ecommerce Website

- I have implemented Ecommerce website using **Django** and for database purpose, I have used **SQLite**.
- There are different categories available for different products. As per the requirement, I have implemented login, registration, search, add to cart, update cart and checkout process. I have also implemented payment process using **Paytm**.
- As per the requirement, I have created different category for blog. User can view Blogs by different categories. There are multiple pages in this website like about us, contact us, blog listing and blog details page. User can also add comment on blog page.
- **Github Link:** <https://github.com/dipenfaldu1991/My-Shop-master>

## Django Rest APIs

- I have worked on **Django Rest Framework** for create **APIs**.
- I have implemented different apis for Movies data.
- I have created APIs for get all movies data, get a single movie data, create a new movie, update movie details and delete a movie.
- **Github Link:** <https://github.com/dipenfaldu1991/rest-framework-crud-main>

## Gmap Data Scrape

- Save the url that is generated from the latest interaction.
- Go to Google Maps and look for a specific place
- Click on the number of reviews in the parenthesis.
- **Github Link:** <https://github.com/dipenfaldu1991/gmap-scrape-data>

## Justdial Data Scrape

- A python Programm to extract data of specific business query from a city, from justdial. TODO:
- extract phone number
- get langitude and latitude
- **Github Link:** [https://github.com/dipenfaldu1991/justdial\\_scraper](https://github.com/dipenfaldu1991/justdial_scraper)

## **Django Video Editor**

- I have worked on **Django Video Editor**. .
- **Github Link:** <https://github.com/dipenfaldu1991/video/tree/master/vedioeditingsite>

## **EDUCATION**

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### **Bachelor Of Computer Application**

**6.55 C.G.P.A**

CCSIT, Junagadh (Saurashtra University) Rajkot,Gujarat, India

### **Master Of Computer Application**

**7.52 C.G.P.A**

Dr. Subhash Technical Campus , Junagadh(Gujarat Technological University) Gujarat, India