

NIKHIL SHINGADIYA

DATA SCIENTIST

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About Me

I am passionate about Statistics, Machine Learning, and Data Science. I like to ask the right questions about the data and try to solve the problem computationally. I am very curious about learning new technology and trying to implement it in the real world.

EDUCATION

L.D.College Of Engineering (Gujarat Technological University)

Bachelor of Engineering

Major in Computer Engineering

Cumulative CGPA: 8.39/10.0

Relevant Coursework: Data Science, Machine Learning, Software Engineering, Algorithms, Artificial Intelligence

Ahemadabad, Gujarat

Expected June 2022

12th Science Creative Science

Study Related Mathematics, Physics, and Chemistry Subject

Percentage: 87/100, JEE Main: 105/360

Rajkot, Gujarat

May 2016 - May 2018

WORK EXPERIENCE

F(x) Data Labs PVT LTD. (40-50 employees, ML Engineer+Full Stack Developer)

Data Science Intern

Ahmedabad, Gujarat

Present – Jan 2022

- **Discord bot Project :**

- **Objective:** in this project, I need to make a discord chatbot using NLP and NLU that can perform the below functionality(5-6 Functionality).
- **Responsibility:**
 - Ability to Auto Respond with Predefined Answers for Predefined questions.
 - Ability to communicate with us as an email message to our support.
 - Ability to create groups for discussions.
 - Etc.
- **Planing:**
 - Register for discord bot API authentication.
 - Build rasa machine learning model which handles user Q & A.
 - Rasa Framework gives us testing and validation functionality.
 - We got 92-95% of the rasa model that handles Q & A.
 - Email Service which helps communicate between bot and admin.

- **Web Scraping Project :**

- **Objective:** In this project, we need to scrap data using selenium and BeautifulSoup like job title, contact number, job description, and location. Which the client gave us.
- **Responsibility:** We need to make a python script that automatically collects all the data the client wants.
- **Planing:**
 - First, collects all the job URLs from pagination (63,000 URLs)(fetching_url.py)
 - After collecting those(1 job) URLs, we need to start scraping data that clients want(collecting_data.py).
 - Main.py file is triggering alternatively the above 2 scripts.
 - For tracking all scraping things, I made montior.json.
 - Python script takes 13-17 secs to collect data for one URL.

Lookman Electroplast Ltd(Secura)

Ahmedabad, Gujarat

Deep learning Intern

Aug 2022 – Nov 2022

- In this internship, I worked on person re person re-identification (Re-ID) task.
- Person re-identification task using Yolo-v3/Tiny algorithms for object detection and for multiple object tracking we were using the Kalman filter+Deep Sort algorithm.
- Our accuracy of around 80%(+/- 0.04) accuracy and It takes around 170-220 ms for processing time per frame.

UNIVERSITY PROJECTS

RECOMMENDATION SYSTEM

Dec 2020

- I love sci-fi movies, I watched 1000+ sci-fi movies and nowadays I am tired of IMDb recommendations. so I decided I want to build my recommendation system and it was different from the other recommendation.
- For filling the missing IMDb and Rotten tomatoes values, I used the regression model with 85 % accuracy.
- Enabled users to be recommended movies based on 350+ data points. it's based on content filters.

CUSTOMER CHURN PREDICTION

Jan 2021

- [Web Apps](#)
- Based on 300 Customer Feedback predict whether next time customer food order give us or not (end-to-end ml project).
- I have 55 features inside those features I need to decide on the 10 most relevant features for prediction.
- I am using Random Forest algorithms for prediction, achieved 88 (+/- 0.04) % accuracy, and tried the SVM and xgboost algorithms.

YOUTUBE DASHBOARD

April 2021

- Often Time Users are Confused about How to Choose the Best Channel For My Learning Or Entertainment? So this Dashboard helps those users. I am using 1000+ channel data for Visualization.
- In This Dashboard, I am including below some useful functionality(8-10):
- Top 10 trending videos by date likes/views:- **Bar Chart**.
- Channel-wise descriptive statistics:- **Table**.
- Channel-wise(2) comparison distribution views and likes:- **Boxplot**.
- Longitudinal analysis of video views:- **Timeline Chart**.
- Etc.

TECHNOLOGY

Technical Skills: Statistics and Probability, Python, Data Visualization, Exploratory Data Analysis, Dash Plotly, Machine, Web scrapping, Learning, ANN, CNN, Docker, Docker-compose, MySQL, Object-Oriented programming, Familiar with ml-flow, and Trading Patterns of the Stock Market.

Libraries: BeautifulSoup, Selenium, Numpy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-learn, Statsmodels, Tensorflow, Keras, OpenCV.

IDE: Visual Studio Code, Jupyter Notebook, Spyder, Google-Colab, And Pycharm.

Operating System: Linux (Ubuntu 20.04 LTS), Windows.

Languages: Fluent in Gujarati, and Hindi; Conversational Proficiency in English

Certifications & Training: Online Course in [Statistics with Python by Michigan University \(Coursera\)](#), [Mathematics for Machine Learning by Imperial College London](#), Computational Thinking and Data Science(MIT).

ADDITIONAL ACTIVITIES

Extracurricular Activities

Ahemadabad, Gujarat

Volunteer

April 2019

- Volunteering at the Java Guru Event (Lakshay's talent LDCE) in this event 250+ people participated.
- In this 2 days event, I learned teamwork and how to manage people's time with effective management.

Kabaddi Player at District Level.

Ankolwadi(Gir),Junagadh

Role: All Rounder

March 2016

- District level a defender, as well as a rider, and we, reached 3rd position in this tournament. In this event, I learned the **presence of mind, crisis management, understanding the opponent's strategy, and team management.**