

PRANAV GANDHI



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 Ahmedabad, Gujrat

VOLUNTEERING:- KHOJ MUSEUM

- **Team Lead** of **Social Media Campaigns** for spreading water wastage awareness.
- **Taught subjects** of Mathematics to some of the less fortunate students from High school.

SKILLS

- Machine Learning
- Neural Networks
- Computer Vision
- Linear Algebra
- Data Analysis
- Python/ C
- Matlab
- Front End Development
- PL/SQL

EDUCATION

SCHOOLING

St. Xavier's High School, Jamnagar
2007- 2019

B.TECH, COMPUTER SCIENCE AND ENGINEERING

SEAS, Ahmedabad University
2019 - present

RELEVANT COURSEWORK

- Linear Algebra (At University)
- Data Structure and Algorithms
- Machine Learning
- Computer Vision
- DBMS
- Machine Learning By Andrew Ng (Coursera)

PROJECTS

HEART ATTACK ANALYSIS AND PREDICTION

- We have used Kaggle dataset to predict whether a person is prone to getting heart attack or not.
- Used Logistic Regression (85% Accuracy) and LDA (82% Accuracy).
- Used Pandas, NumPy, SciKit Learn and SeaBorn Library.

SUPER RESOLUTION USING TRANSGAN

- Converts low resolution image to high resolution image while preserving minute texture details also.
- Using Grid self-attention Mechanism to preserve minute details.
- Used TransGAN which is a GAN free of convolutions.

MUSIC RECOMMENDATION SYSTEM

- Recommends song to a user based on their previous likings and ratings overall.
- Matrix Factorization.
- Due to sparse Matrix:- Used Stochastic Gradient Descent and Squared Mean Error loss function.

AHMEDABAD UNIVERSITY MAP

- It is a map similar to google map for our university which includes buildings, gardens and areas. We can find the shortest distance between two points, you can also add review in it.
- Used PL/SQL database to store the points of the building or paths and have used django for backend.

CAR & PEDESTRIAN DETECTION AND FACE DETECTION

- Using Haarcascade Algorithm

BREAST CANCER DETECTION

- Using SVM (97% Accuracy) and Used confusion matrix for precision and recall.

GITHUB LINK:-

[HTTPS://GITHUB.COM/PRANAVGANDHI18](https://github.com/PRANAVGANDHI18)