MRINAL TYAGI

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SKILLS

- iOS Native Development
- Machine learning
- Computer Vision
- Deep Learning
- Data Analytics

EDUCATION

- **Bharati Vidyapeeth's College of Engineering, New Delhi**

B.Tech(ECE)   2019-2023
Aggregate CGPA (Till Sem 3) : 7.0

- **Adarsh Public School , New Delhi**

Class XII -82%
Class X - 9.4 GPA

OTHER ACTIVITIES

Participated in :
1. IIT Roorkee Sociothon
2. ML and AI based EY Techathon 2021
3. EvoTech 3.0, BVCOE
4. HackIT, BVP

PROJECTS

- **Covid 19 Vaccine prioritizer using Clustering —**

- Dataset with 186 features including stats about demographics, population, hygiene, literacy, working status per district of India along with Covid stats were taken into consideration.
- Data Preprocessing, Feature selection and unsupervised learning (KMeans)were used in a pipeline
- shp data was used to visualise the result on India's map using GeoPandas

- **Yoga Posture Detection**

- Worked on database with 108 classes and a total of 10k+ images
- Used openpose to find angles and correlations before classification

- **Braille GUI —**

Made a GUI using PyQt5 for visually impaired using speech recognition for them to code with ease.

- **Oher Projects**

Employed HAAR Cascade, Single-shot detector(SSD) and Generative Adversarial Networks(GAN) on multiple datasets

LANGUAGES,LIBRARIES AND FRAMEWORKS

 C/C++,Python,Swift,Tensorflow,Keras,Sklearn,Opencv,Numpy,Pandas ,Matplotlib,PyQt5,Geopandas, BeautifulSoup ,Realm,MongoDB, Firebase