

EDUCATION

Guvi Geeks, Chennai
Master Data Science Program

Apr 2022 – Oct 2022

AMS College Of Engineering, Chennai
Bachelor Of Computer Science

Aug 2016 – Apr 2020

SKILLS

Machine learning

Python

Computer Vision

NLP

AI

Deep learning

Tensorflow/Keras

Pandas

Web Scraping

Scikit

My SQL

Data Analysis

Flask

Pyspark

Streamlit

PROJECTS/EXPERIENCE

Face Mask Detection

- Developed an image classification model using **MobileNet** as a base, with additional fully connected layers added to classify whether a person in an image is wearing a face mask or not .
- The trained model achieved an accuracy of **100%** on the training data and **98%** on the validation data within 10 epochs.
- Implemented face detection using OpenCV's **Haar cascade** classifier model to detect human faces from a live webcam feed.
- Utilized the trained classification model to classify the presence of a face mask in the detected faces.
- Then displayed a rectangle using **x & y** coordinates along with text '**mask on or off**' with unique color for each label based on the results predicted by the trained model.

Image Classification[ResNet50]

- Designed and implemented a CNN model using **transfer learning** approach on 3,300 images divided by 6 classes denoting weather conditions
- Utilized a pre-trained **ResNet50** model and made architectural modifications to build a hybrid model that accurately classifies weather labels of the image data.
- Obtained a training accuracy of **98%** and validation accuracy of **91%** indicating a well-balanced model.
- Integrated the previously built model into a **web app** using the streamlit framework.

CERTIFICATIONS

- IIT-Madras** Certified Advanced Programming Professional & Master Data Science.

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LANGUAGES

- ENGLISH [Professional Proficiency]
- TAMIL [Native/Bilingual Proficiency]
- HINDI [Limited Professional Proficiency]

INTEREST

- ARTIFICIAL INTELLIGENCE
- BIG DATA
- CLOUD COMPUTING