**Face Recognition and Detection**

This repository contains code for face recognition and detection using Python and various libraries. It includes implementations of algorithms for detecting faces in images and recognizing faces based on pre-trained models.

**Features**

- Face detection using OpenCV and Haar cascades

- Face recognition using pre-trained deep learning models

- Example scripts for face detection and recognition

- Utilizes libraries such as OpenCV, dlib, and face\_recognition

**Getting Started**

**Prerequisites**

- Python 3.x

- Install necessary libraries:

```bash

pip install opencv-python

pip install dlib

pip install face\_recognition

**Installation**

1. Clone this repository:

bash

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git clone https://github.com/Archanam1306/face-recognition-and-detection-fin.git

cd face-recognition-and-detection-fin

1. Install dependencies:

bash

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pip install -r requirements.txt

**Usage**

* Run face detection:

bash

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python detect\_faces.py

* Run face recognition:

bash

Copy code

python recognize\_faces.py

**Contributing**

Contributions are welcome! Please fork the repository and create a pull request with your improvements.

**License**

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