



GROUP 2: 2D FACE AUTHORIZATION

Member:

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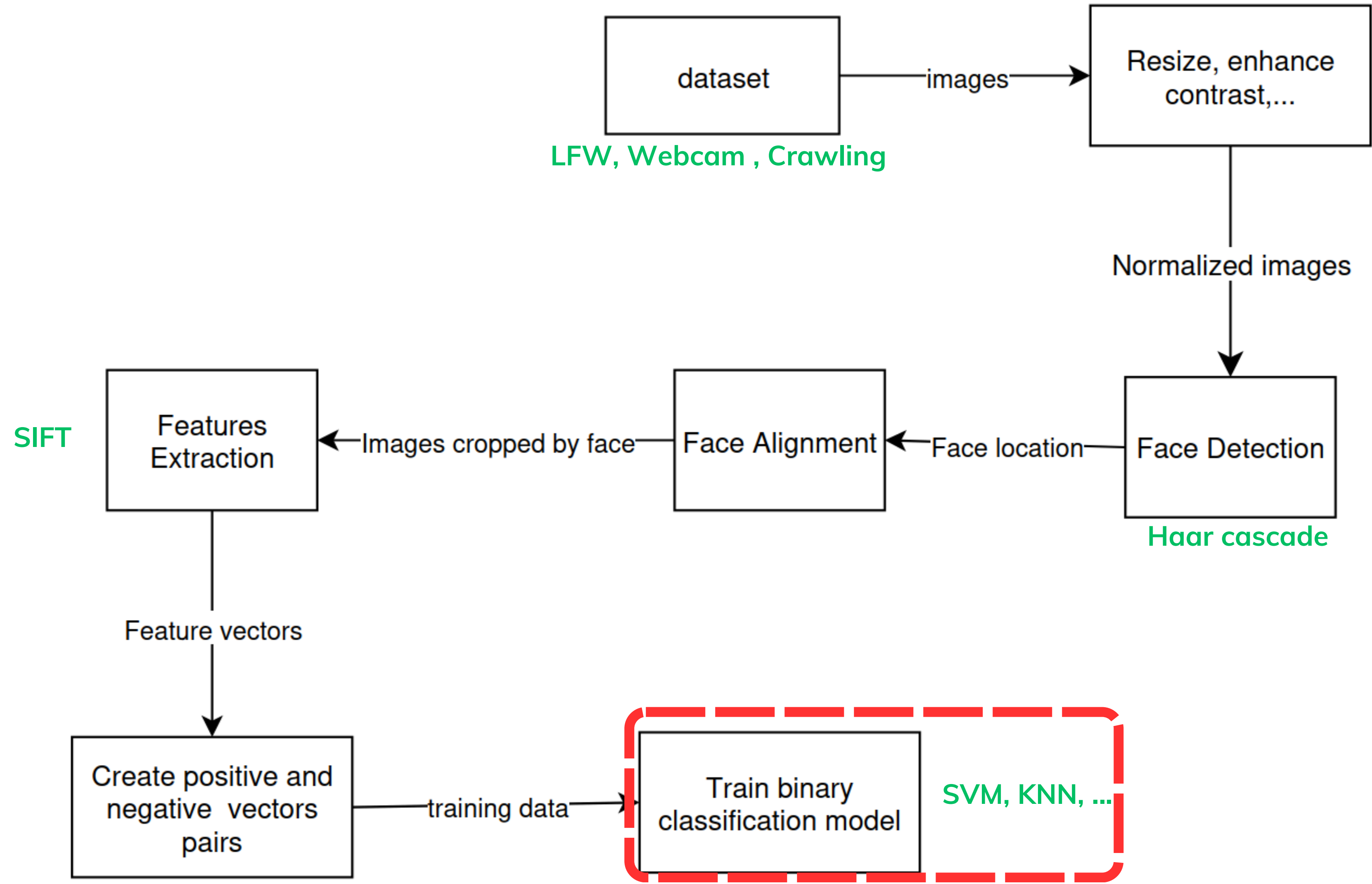
Project Aims and Objectives

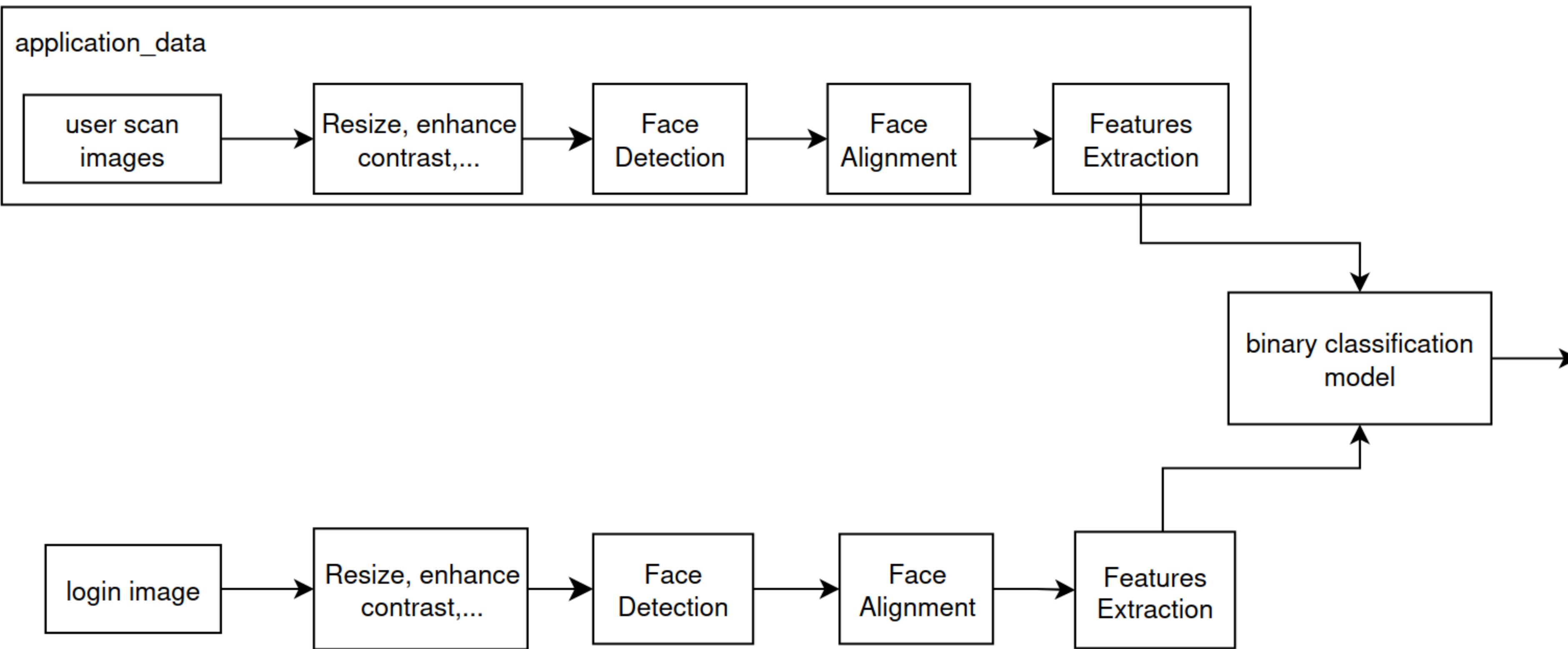
Aims:

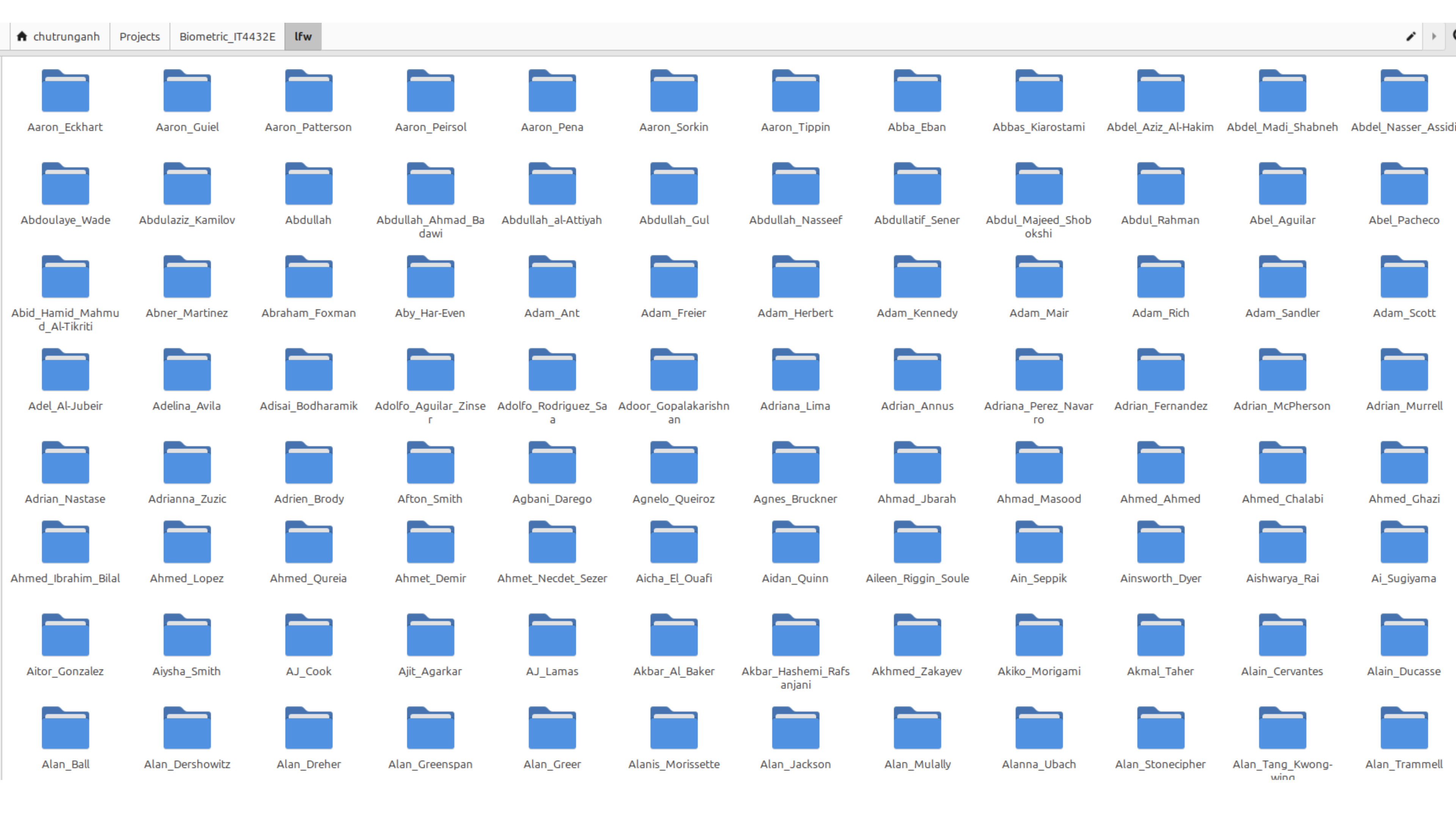
- Biometric authorization, especially facial authorization is a rising trend with many opportunities nowadays
- Application can vary from online transaction authorize, attendance checking, ...

Objective:

- Using machine learning, computer vision, deep learning, ... to authorize a person.







```
lfw
|
|——person_1
|   |
|   | person_1_001.jpg
|   | person_1_002.jpg
|   | ...
|
|——person_2
|   |
|   | person_2_001.jpg
|   | person_2_002.jpg
|   | ...
```

Labeled Faces in the Wild (LFW) is a public dataset for face

verification, also known as pair matching

Information:

- **13233** images in **JPG** format
- **5749** people/ folders
- **1680** people with two or more images

Expected Result



Model:

A complex model that prefers more precision than recall.

Performance:

90% accuracy rate with less than 10 seconds used.

Application:

Python-based app which can be used in student attendance checking, company check in/out

Thank you for listening!

