

# Raspberry pi Face Recognition Security System



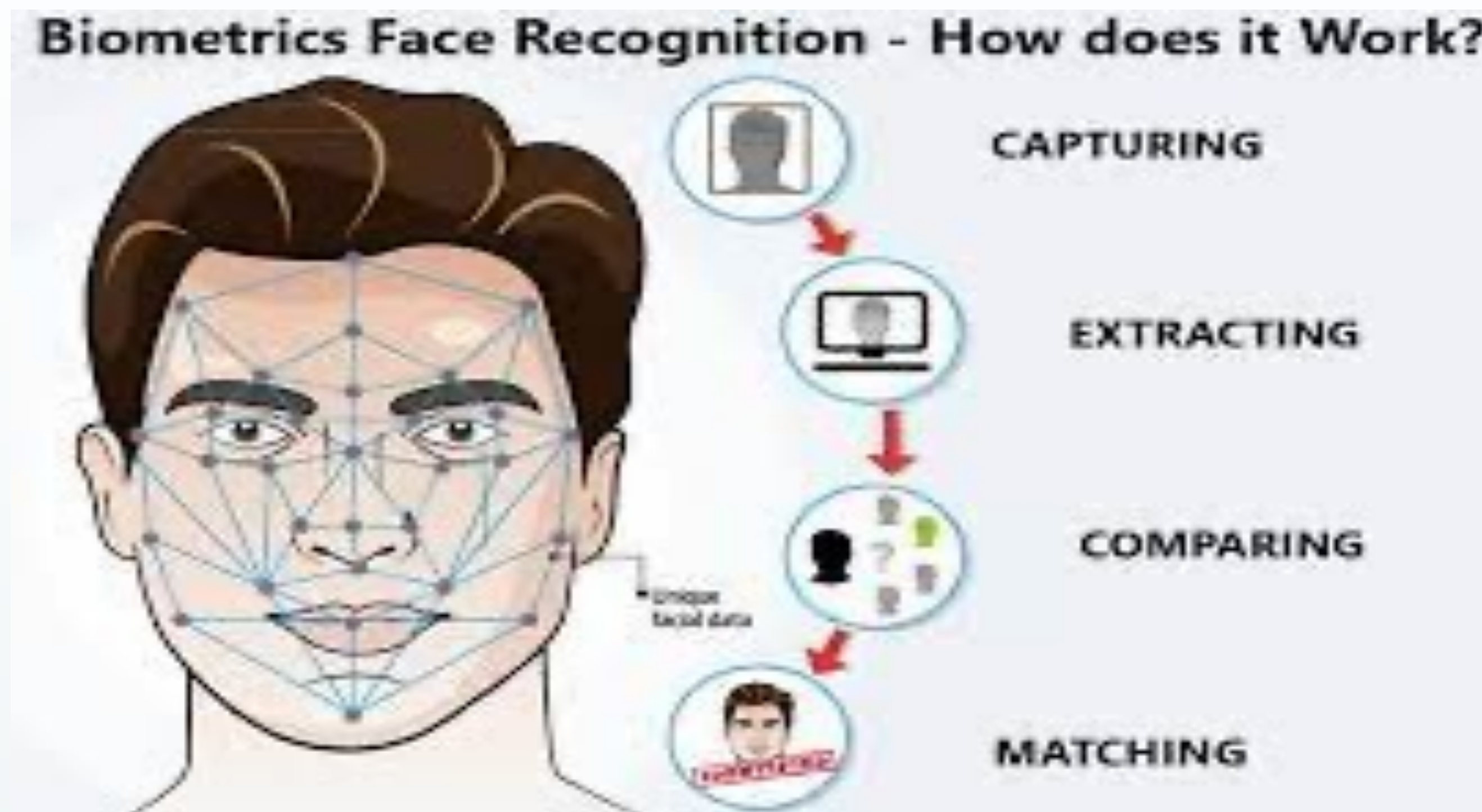
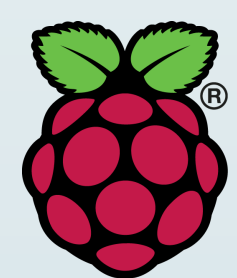
## Introduction

Biometric identification provides the answers to “something a person has and is” and helps verify identity. With my Project I have decided to use Facial Recognition as a security method to your data safe from others, as well as a use of home lance surveillance system, to help home owner and business owners to know who and what is coming through there home/property

## Approach

The Approach for this project is to use opencv, python , Raspberry PI as well as some other software to create a facial recognition security system, this will use the camera connected to the Raspberry pi to detected faces and even learn who these faces . This will be then used for surveillance as well as securing information such as bank details

### Introduction



## INFO

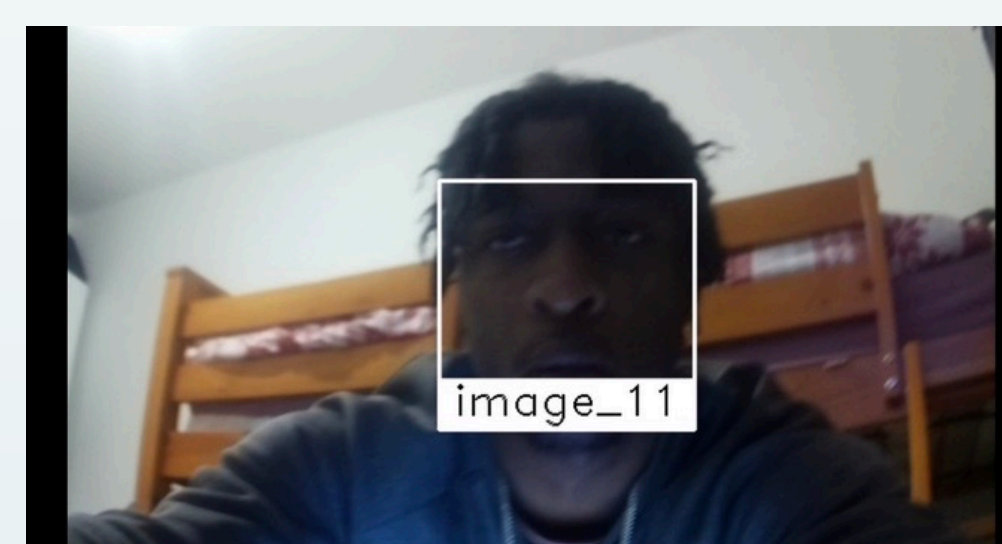
[https://github.com/JuniorAJ1/4thYearProject/tree/main/Mercury\\_Surveillance\\_System](https://github.com/JuniorAJ1/4thYearProject/tree/main/Mercury_Surveillance_System)

## Conclusion

From this project I enhanced my understanding on OpenCV, learned how to operate a Raspberry pi, and gained skills in web development with application and libraries such as numpy and flask, sqlalchemy

## Result

- Website using Flask framework which displays live stream from raspberry pi camera , camera detects known and known faces



Website running with  
live stream using flask  
webframe

