

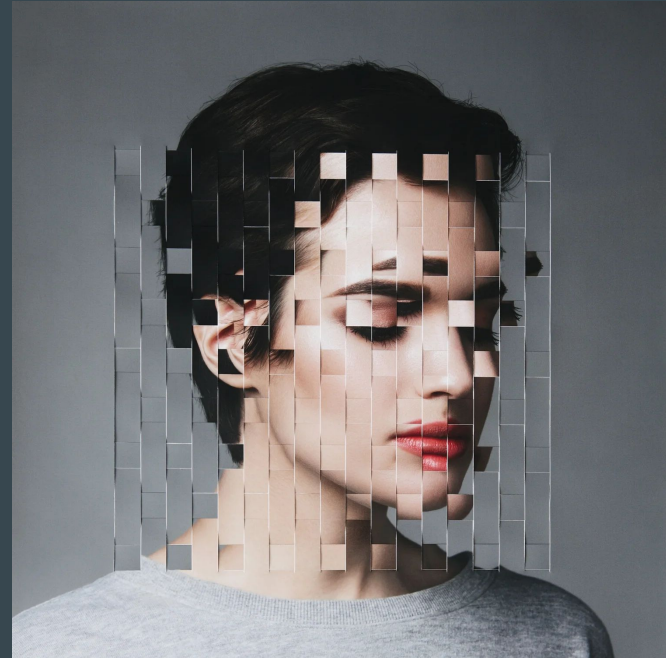
# Deep Fake Detector

X-Radiant Presents FaceSham

# What is DeepFake?

Deepfakes are based on AI technology which creates seemingly realistic but fake images or videos of targeted people by swapping their faces with another person saying or doing things that are not actually done by them.

Deep learning + Fake = DeepFake



# Examples



Original Image



DeepFake Image

## Animating Faces

A single model animates all images given only a single source image

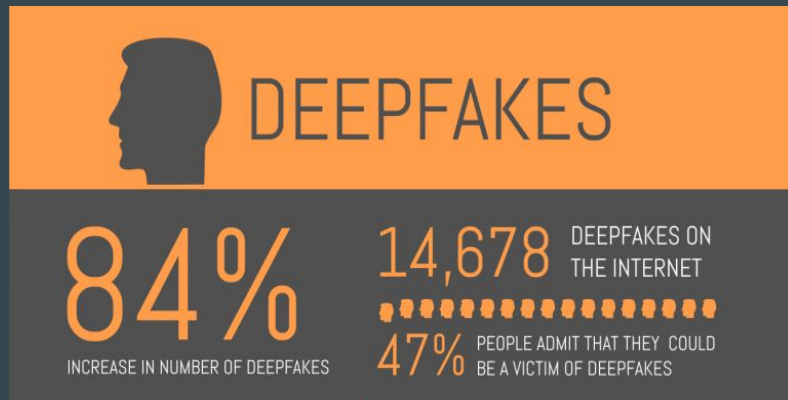


A driving video is used as base input for generating same facial effects on other images.

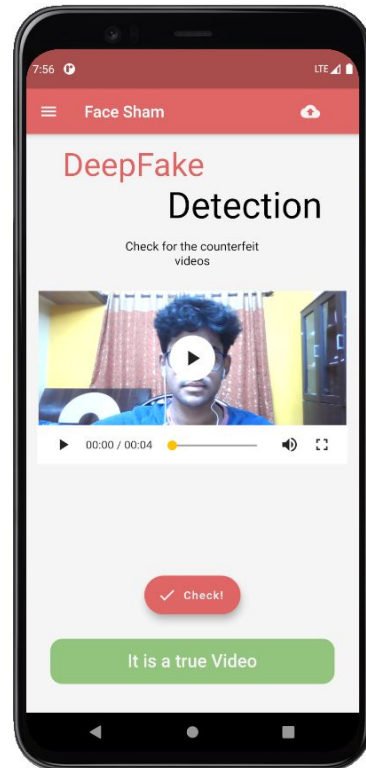
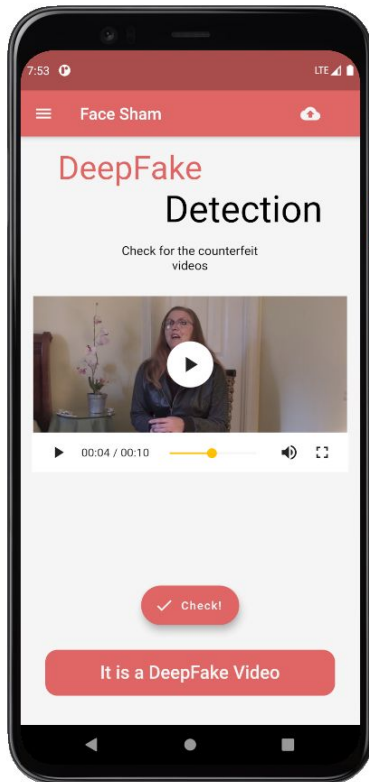
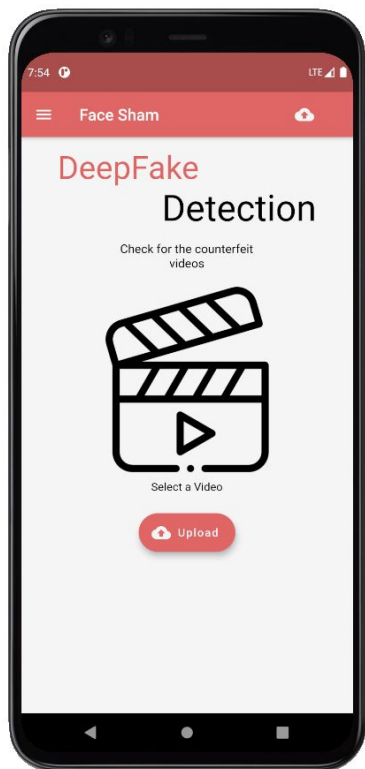
# Why DeepFake Detection?

DeepFake detection is imperative because :

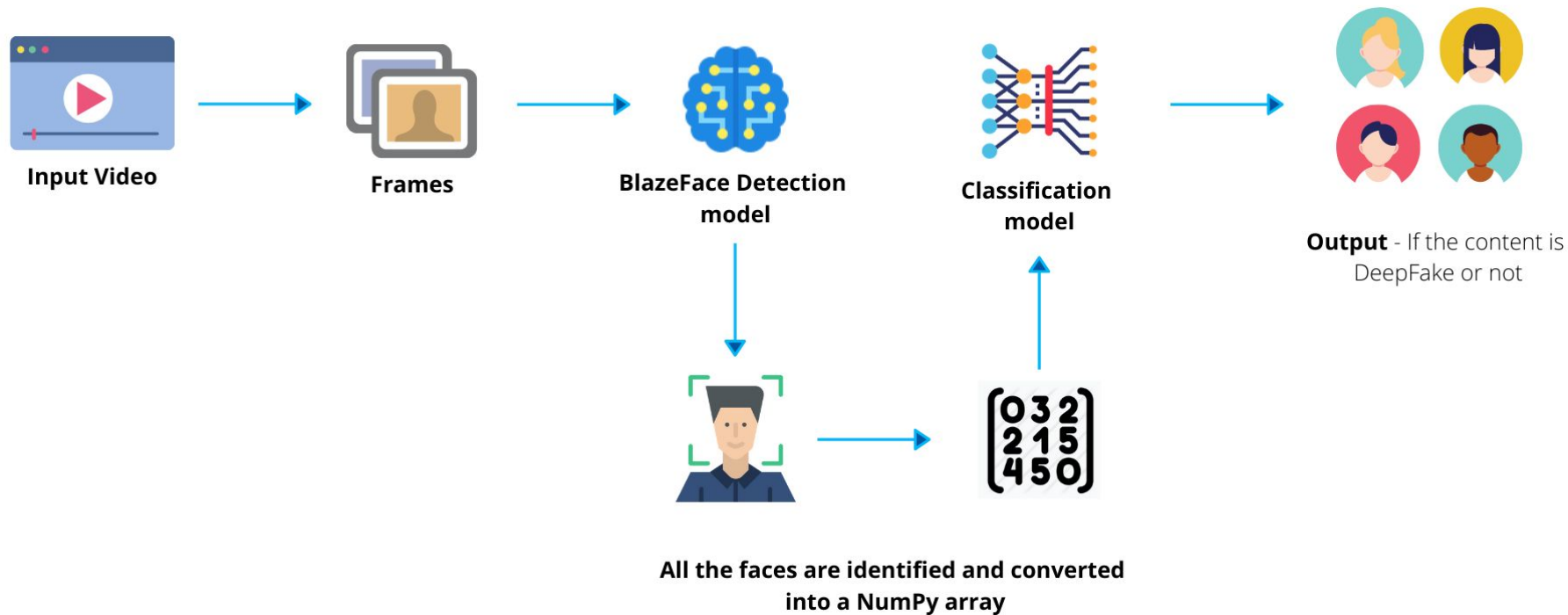
- Proliferating of fake content is possible on social Media
- Fake content creates nuisance in politics as well as any person's personal life.
- It Deceives us in believing things which are Sham.
- The value of original content deteriorates.
- Difficult for a layperson to identify a DeepFake content and assess its authenticity.



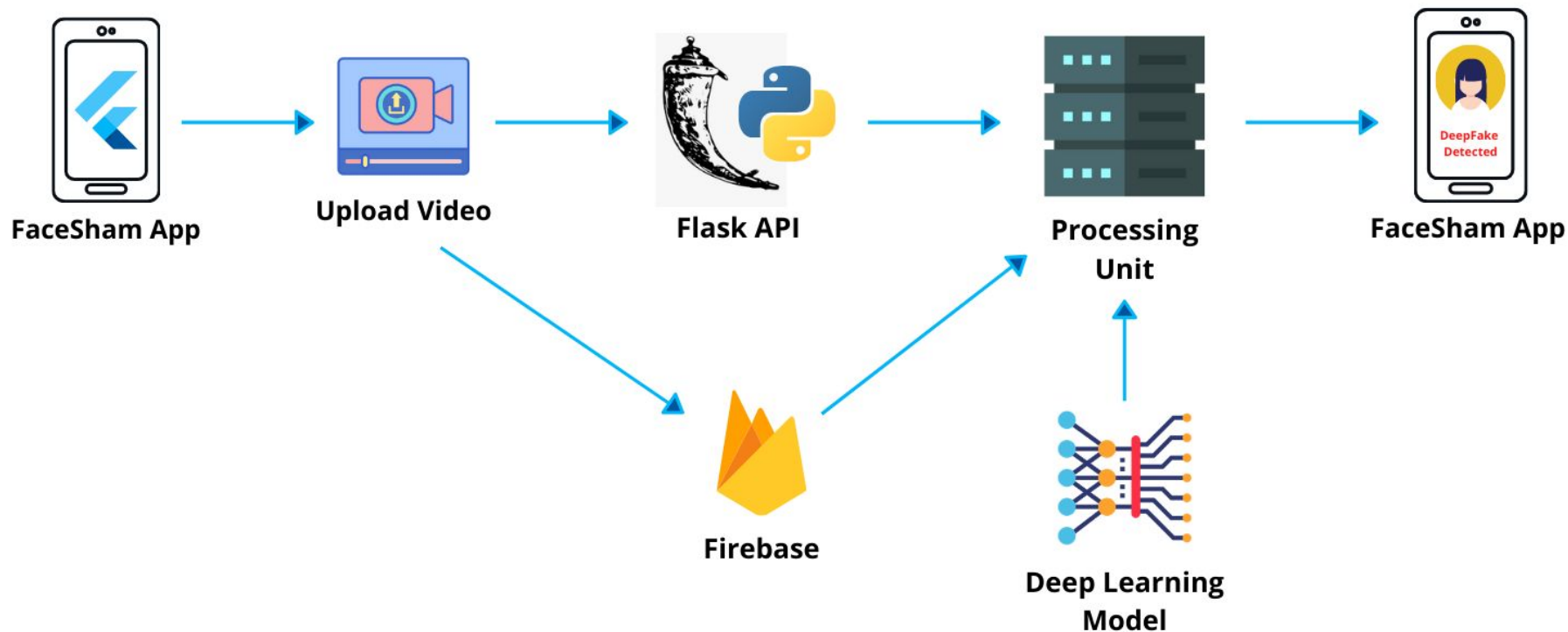
# Introducing you FaceSham



# Deep Learning Pipeline

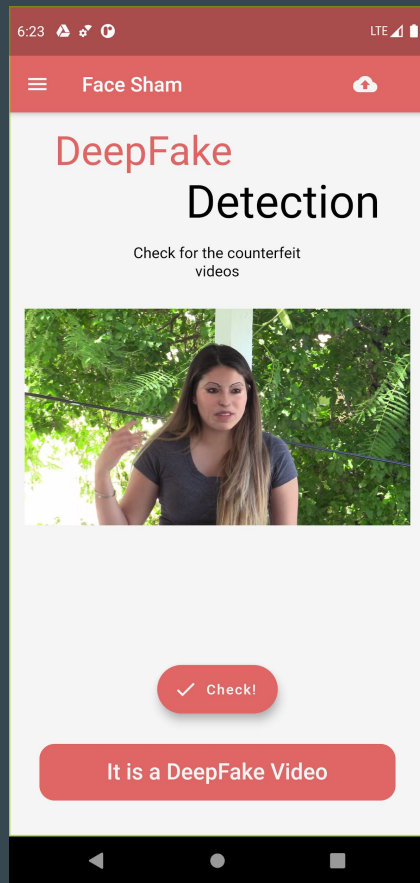


# FaceSham App Flow

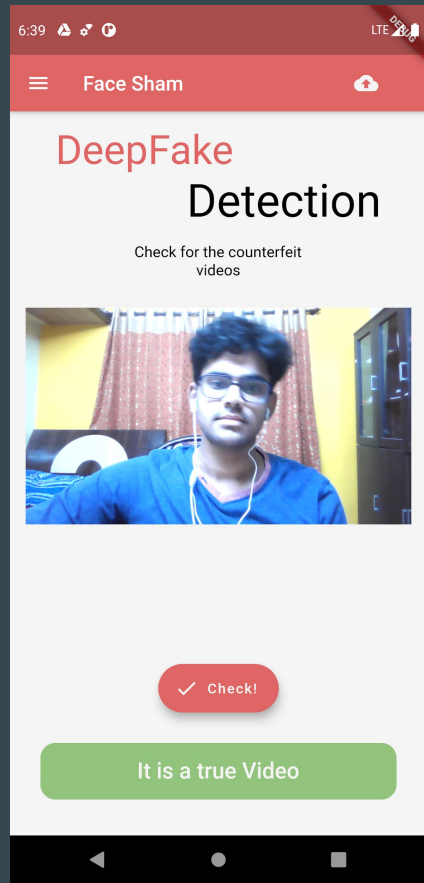


# FaceSham UI

- User Friendly
- Real-time Cloud-based processing
- Android as well as iOS
- Flutter makes the app more adaptable
- Api based , Later on can be integrated with website



DeepFake content is detected



Authentic Video is detected



# The Team Behind FaceSham



**Vignesh** Charan

Deep Learning Expert |  
Flutter Developer



**Poojan** Panchal

ML/AI Expert |  
Back-End Lead



**Sanskar** Garodia

Flutter Developer | Front-End  
Lead

