NOTES

Get access to web com & video feed.

Ose browsers, media device Interjace, - which les you access to connect devices like camera, Microphus Even Screen sharing.

<video>tag in index.html is initially wed to view the & then it is passed to the face detection model to do the web cam feed. actual detection.

→ getUserMedia() is a API, takes an object as argument E inside that, we can specify the pagameter that we want.

Will return stream object. -> augn this to video object.

(step 2): Go to tensor flow. Org. Is

models - simple face detection

add the script in bandex him & Scalbf. 12

Step3

NOTES

* function to detect the actual face. make prediction We cannot call detect faces function Even before the model is loaded.

so we need to wait for blazeface model to load.

· as soon as video feed u loaded, we wait Event listner called loaded data will help us. so Once Video Element gets loaded, we can Execute our Model.

console:

we will see that, we have bottomkight, Landmorks etc.

* our prediction is an array, & it will return different array If there were multiple faces in our camera.

Step4 Make Duplay Result

We will first Draw outual video feed on Canvar

And then on top of that we will draw a Rectangle Enclosing the face & different face point.

- Our detectfaces () function as previously is

 Called Once [& is fine when working with

 photo] but when working on video, it needs

 to be called some 20-30 times sec
- Ctx. rect[] takes top byt coordinate & also takes width & height.
 - so subtract bottom hight to toplyt. to get width & height.