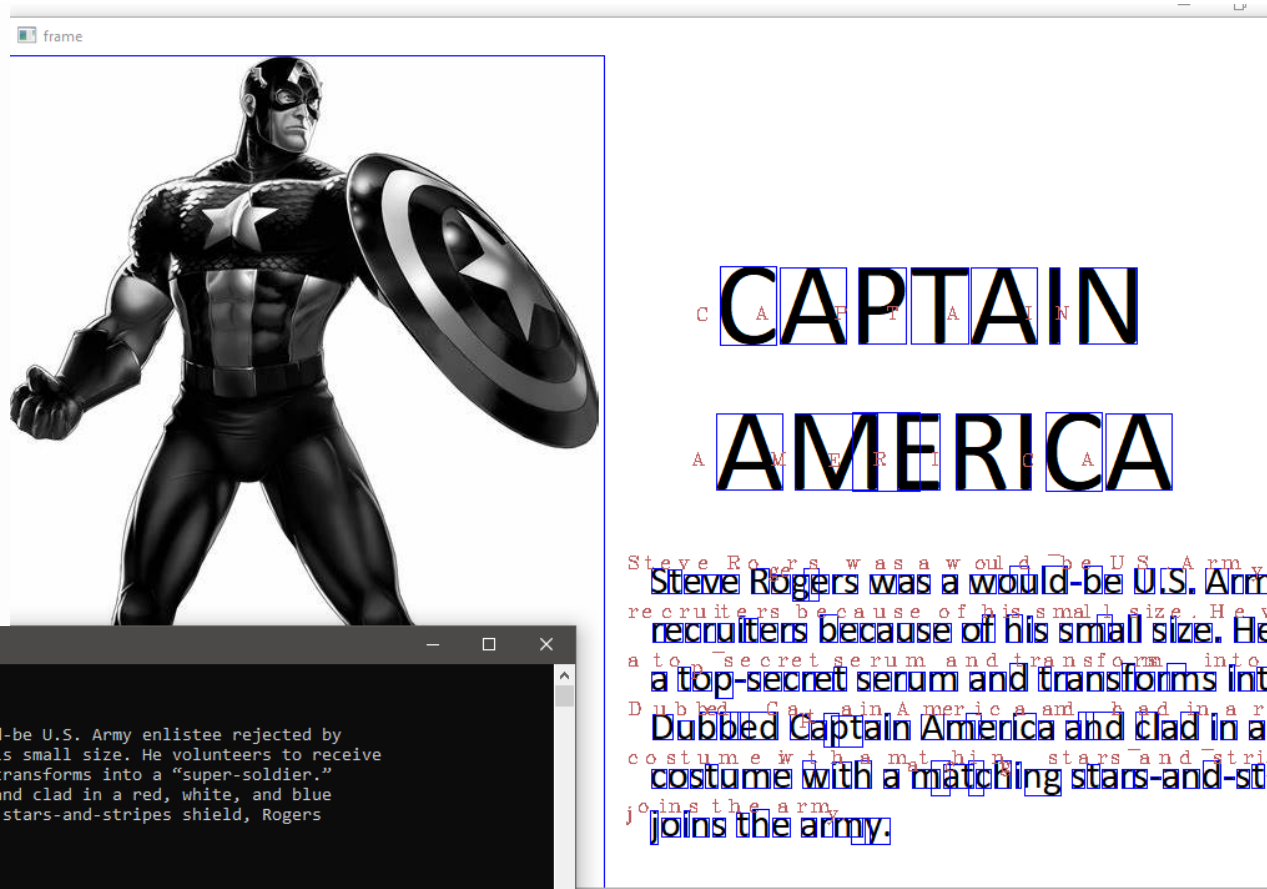


Mini-Image Processing

TEXT DETECTION, EXTRACTION AND SPEECH



Tesseract



What is Image Processing?

It's a method to perform an operation on an image in order to get an enhanced image or get some useful information from it.

This is a signal processing in which input is actually an image and output can also be an image, feature or characteristics associated with image

Model: is a file uses algorithms to learn patterns in data and make predictions and insights

Image procession Model : It will have multiple images and based on training and data, it recognises the object in order to perform .

What is Objective of the Project?

Capture the image from Camera/Input Image File containing Text



Extract the Text



**Display is on
screen**

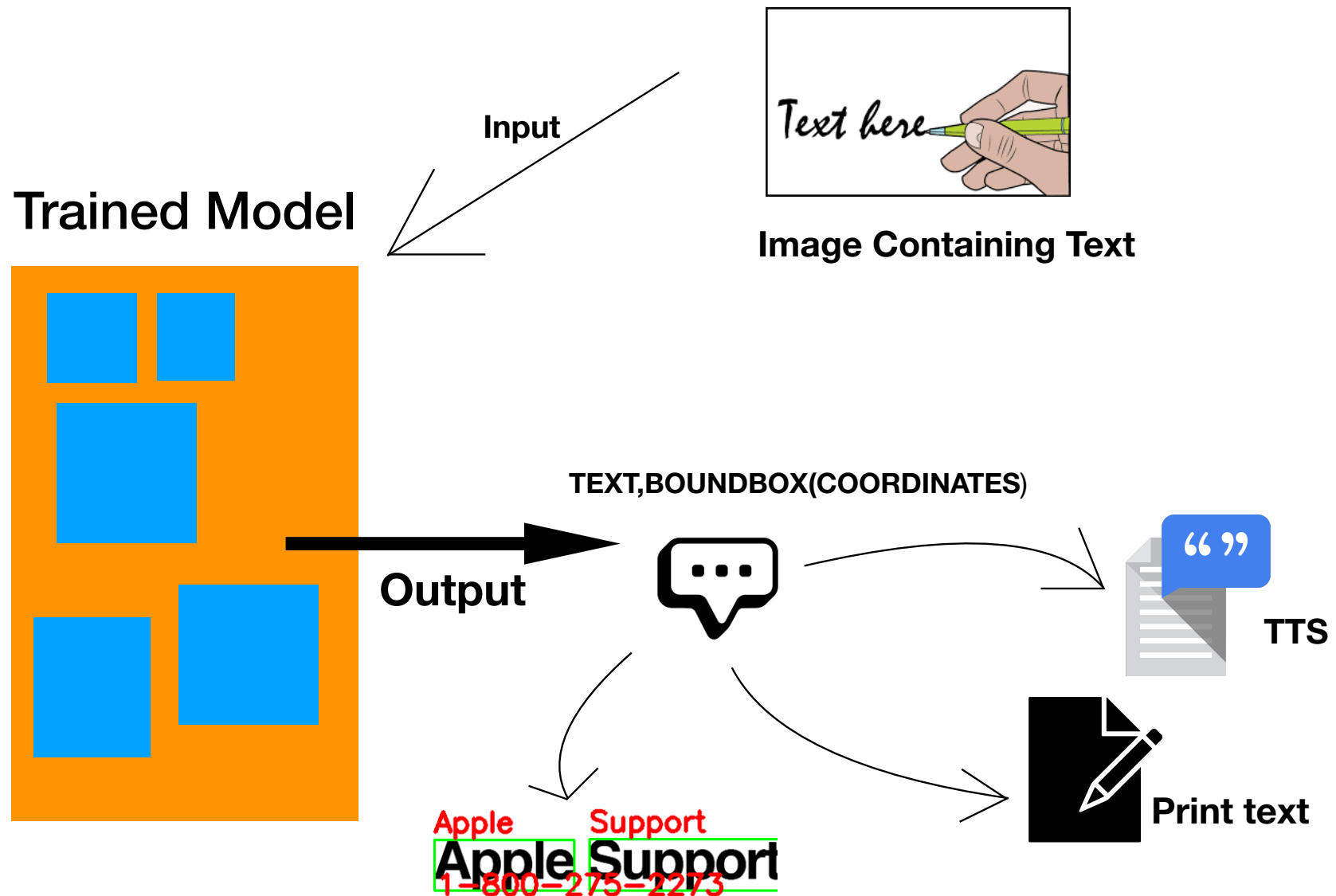


**Bound box and Put
the text on the Image
and Show**



**Text to
speech**

How do we do it?



Requirements /Used/Needed

Opencv Library



Play sound Library



SSL Library



GTTS Library



Tesseract OCR Library



Tesseract

Pytsx3



#Read image

#Instance text Detector

#Detect Text on Image

#Draw BBOX AND TEXT

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Murtaza Hassan

Primarily Required subjectives for this project:

Python(**Sources: Mr. Saurabh Shukla**)

Computer Vision(**Sources:**ProgrammingKnowledge(website:www.codebind.com),Murtaza Hassan,Computer Vision Engineer (GitHub))