#3. Driver Function Of Lane detection ,Traffic Signals Detection And Give the Command to System

## Driver Function

if \_\_name\_\_=="\_\_main\_\_":

command="RUN"

cap=cv2.VideoCapture(0)

left=0

right=0

while True:

ret,frame=cap.read()

lane\_detected\_img=lane\_detection(frame)

if lane\_detected\_img is not None:

left=0

right=0

if predict(img)=="GO": ## Green sign detected

command="GO"

elif predict(img)=="WAIT":

command="WAIT"

else: # RED Sign or STOP sign detected

command="STOP"

else:

# Now turn left and check whether lane is present or not

if left==0:

command="TURN LEFT"

left+=1

continue

else:

if right==0:

command="TURN LEFT RIGHT"

right+=1

else:

command="STOP"

if cv2.waitKey(1)==13:

break

#relaese camera and close windows

cap.release()

cv2.destroyAllWindows()

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