SWOT ANALYSIS

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STRENGTHS

Training the model with YOLOv5 as my machine could handle many epochs.
Writing the script to detect the traffic signs, draw boundary boxes, and plot the Intersection over union
Using JupyterLab Widgets to mimmick the functionality of the application.

WEAKNESSES

Fixing bugs related to boundary boxes, and the Mean Intersection over union.
Taking too long to figure out which dependencies were missing, lack of planning.
Too stubborn to ask for help.

OPPORTUNITIES

Implementing the functionality to process the video feed of a camera frame by frame would allow the app to be used and tested on vehicles.
The application in its current state could be used as a PoC to ask for funding from an investor to take this application further.

THREATS

Not being able to create the WebApp due to missing dependencies and risking not delivering on time.
Not being able to train the model on any other machine due to technical limitations.