

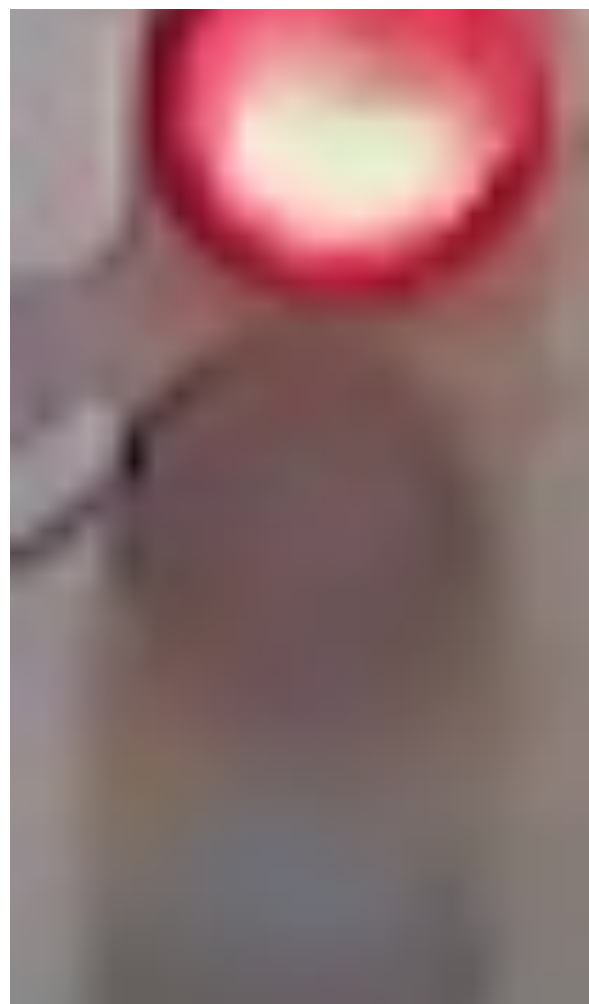
Final Project Requirements

Shah Bhatti

Final Project Requirements

1. Problem: Image Classification - Autonomous traffic light detection system (ATLDS)

In autonomous driving, traffic light detection is an essential sub-domain. The autonomous vehicles need to detect traffic lights effectively to avoid colliding with another vehicle at an intersection.



RED



YELLOW



GREEN

Final Project Requirements

2. Find your own data.

3. Algorithms:

- A. Choose one algorithm, at your discretion, from among the algorithms we have studied in this class
- B. The other algorithm must use Tensorflow/Keras framework and a Convolution Neural Network (CNN)
- C. Both algorithms must reach at least 90% accuracy
- D. Primary Goal: No Red Light misclassifications

You may find concepts such as Shuffle, Batch and Repeat from Chapter 13 and ICHW12 useful.