Beta Presentation
Analysis of Autonomous Vehicle Testing Video

The Capstone Experience
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Project Overview

• Model
  ▪ Identify and annotate driving scenarios
  ▪ Examples: overpass, bridge

• Database (DB)
  ▪ Created schema for storing labelled images
  ▪ Stream annotated images into DB for querying

• Web App
  ▪ Created and connected to DB
  ▪ Filter results by different features
System Architecture

Videos(.avi) → Labeling Tool → MySQL

APTI V

Web Interface
Home Page
Filter Results for Overpasses
Filter Results for Tunnels
Description Page

Scenario: Overpass

overpass: 95%

DOWN GRADE
WATCH FOR
SLOW VEHICLES

SPEED LIMIT
70
What’s left to do?

• Increase accuracy for all features to become greater than 90 %
• Modify training to add code for displaying different variables in tensorboard
• Automate computation of confusion matrix
Questions?