

# **Project: Detecting Lane Lines**

## **Overview**

In this project, you will find project that covers detecting lane lines on the road, first in an image, and later in a video stream.

Tools used in this project, Canny Edge Detection algorithm to calculate all the possible edges on grey image followed by GaussianBlur to remove noise and spurious gradients. Next Hough algorithm is executed on edge detected image to find the lines that meets expected threshold votes in hough grid with given minimum line length and maximum line gap. The information gathered from left lines and right lines within region of interest can be used to determine line equation of left lane and right lane.

I have included Jupiter notebook that contains comments and code of lane line detection. Also includes a writeup for this project.