It started explaining with the importance of traffic sign recognition for autonomous vehicles. Traffic sign recognition is very important as it provide critical and complex information to drivers. Autonomous vehicles have to understand the same thing as driver to navigate safely by using camera and computer vision.

 Self-driving cars and driver assistance systems needs to understand the road sign to full-fill the work properly.  It have to handle slight rotations of the signs.

This system use a type of AI (**neural network).** Neural Network can identify different types of sign on the road .They used two types of algorithms which is detection and classification. In detection , that mainly use for Color thresholding to segment the image for understanding and shape analysis. And also on the other hand , what type of signs are identified and understood in classification. Besides that , there are several lacking like , Partial Occlusions , Weather issue , Under Environments dependency , Testing .

(De La Escalera, Moreno et al. 1997)

De La Escalera, A., et al. (1997). "Road traffic sign detection and classification." IEEE transactions on industrial electronics **44**(6): 848-859.