Swarm of Jets

Gaussian Blur
(Background)

Image - Background

Global Thresholding
(Otsu)

Closing
SE=disk, Rad=2px

Image Segmentation Block Diagram by Gazi Sultan

Image Processing Workflow Diagram

Image Input From a sample of photo

Apply Gaussian Blur to reduce noise in image background

Decide Upon a suitable thresholding methodoly to segment the image

Modifying the orignal image pixel into grayscale followed by binary level
(pixel threshold segmentation)

Utilized edges of a binary level pixel image to determine the amount of discontinuity of image textures
(Edge-based segmentation)

Determine regions of an image cluster to discern an objects existence by their contours
(Region-based segmentation technique)
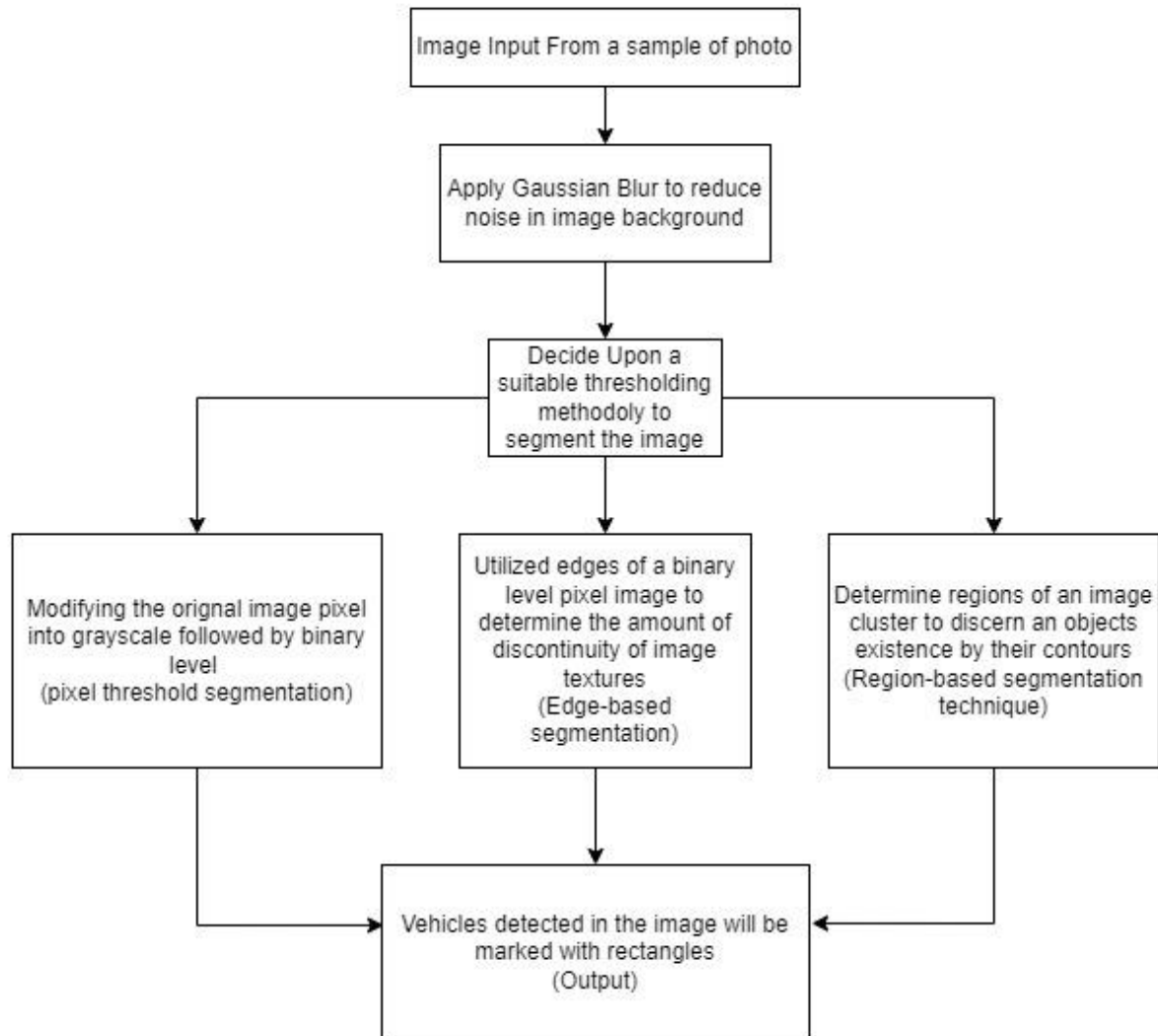
Vehicles detected in the image will be marked with rectangles
(Output)

Image Processing Outcome Diagram

Original Image

Binary Image

Grayscale Image

Object-Dectection Using Edge-based Thresholding

Block Diagram of Vehicle Image Segmentation