Project - Lane Segmentation for Self-Driving Systems

Steps to Solve Lane Segmentation - U-Net with Best Practices

1. Data Loading and Preprocessing

 1.1 Load the Data

 1.2 Define custom dataset

 1.3 Data Exploration

2. Lane Segmentation using U-Net with Best Practices

 2.0 Define validation and test dataloader

 2.1 Define model architecture

 2.2 Train the model

 2.3 Calculate IoU score

 2.4 Inference on Test Dataset

Code Walkthrough of U-Net with Best Practices