



Automatic Number Plate Recognition

Description:

In the following project, we will understand how to recognize License number plates using Python. We will utilize OpenCV for this project in order to identify the license number plates and the Paddle OCR for the characters and digits extraction from the plate. We will create a web app with a Flask framework that automatically recognizes the License Number Plate .

Start Date: 3rd Jan'23

Doubt Clear Time:

Course Time: Flexible

Features:

Do Everything In Industry Grade Lab

Learn As Per Your Timeline

Hands-On Industry Real-Time Projects.

Self Paced Learning

Dashboard Access

Course Materials

Assignments

What we learn:

Real Time Projects

Automatic Number Plate Recognition

Object detection using tensorflow

Paddle OCR

Modular Coding Techniques

Learn about AWS basics along with CI/CD tools like Github actions for production-grade

Flask web framework

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

krish naik

Description:

Having 10+ years of experience in Data Science and Analytics with product architecture design and delivery. Worked in various product and service based Company. Having an

experience of 5+ years in educating people and helping them to make a career transition.

>Welcome to the Course:

>>Course Overview

>>Dashboard Introduction

>Project :- Automatic Number Plate Recognition:

>>Introduction of Instructor

>>Project Overview

>>Application Tour

>>Jupyter Notebook Walkthrough

>>Tour to Architecture diagram

>>Folder Structure overview

>>Environment and Project Setup

>>Data Ingestion

>>Data Transformation

>>Prepare Base Model

>>Model Training

>>Model Pusher

>>Training Pipeline

>>Prediction Pipeline

>>Frontend app development

- >>Running project locally
- >>Running project using Docker
- >>Tour to the cloud and Service Overview (AWS)
- >>IAM setup
- >>ECR setup
- >>EC2 setup
- >>Self hosted runner
- >>Assignments Discussion
- >>End Notes