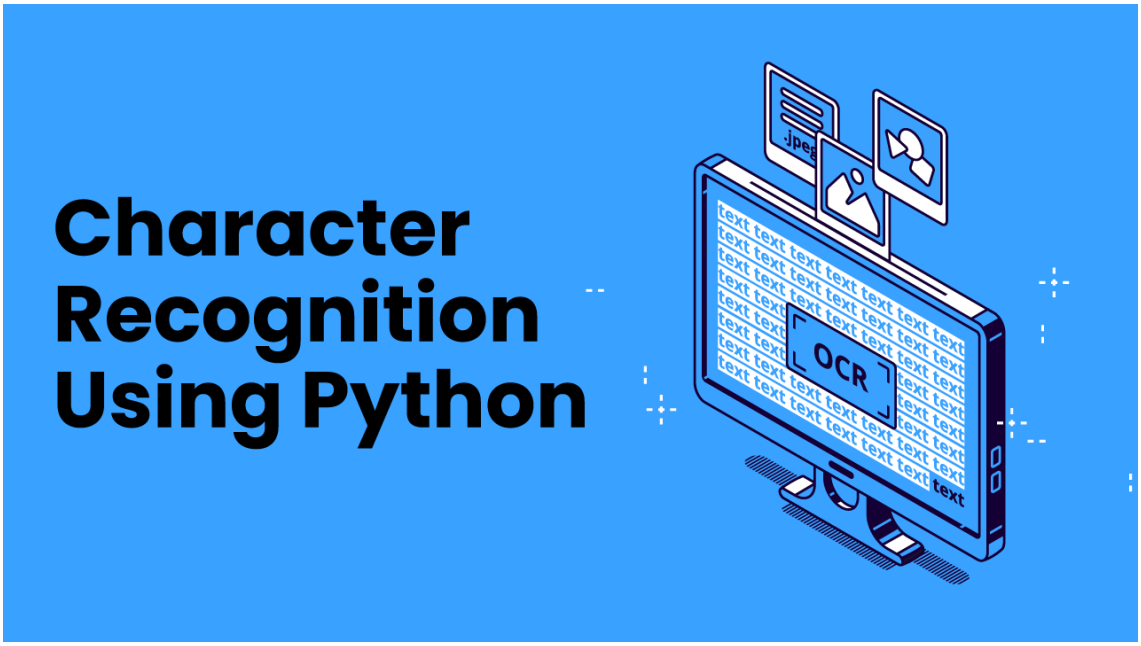
Welcome to ineuron.ai



Character Recognition using Python

Description:

In this course, students will learn how to handle data containing textual images. Extracting text from images requires advanced techniques like computer vision and image processing. After this course, students will be able to build challenging real-world applications that can read images and produces textual details from the same. This hands-on practical-oriented course will enable students to build their own character recognition applications and enhance their knowledge of Computer Vision and Artificial Intelligence.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Online Instructor-led learning

Practical Implementation

Integrate academic knowledge with the tech

Real-time Project

Live Class Recording

Doubt Clearing

Assignment in all the Module

Quiz in every Module

Career Counselling

Completion Certificate

What we learn:

Introduction to Object character recognition

Different types of Object character recognition

Introduction to Tesseract

Working Tesseract OCR

OCR with pytesseract and OpenCV

Requirements:

System with Internet Connection

Interest to learn

Dedication

Instructor:

>Introduction to the course :

>>Course Introduction

>>Who is this course for?

>>Course Overview & Course outcome

>>Course Pre-requisite

>>What is OCR?

>>Why do we need OCR?

>>What are the Different Types of OCR Available?

>Open Source Tools :

>>What is Tesseract?

>>Who Developed Tesseract?

>>What is OCRopus?

>>Whar is Ocular?

>>What are the primary Features of Ocular?

>>What is SwiftOCR?

>>Which is better, tesseract or SwiftOCR?

>Tesseract OCR:

>>Overview of Tesseract OCR

>>How Tesseract OCR works?

>Installation :

>>Installing Pytessaract OCR In Colab

>OCR with Pytesseract and OpenCv:

>>How to read images using OpenCv ?

>Practical 1:

>>Using Pytesseract we will perform OCR on Student Identity Card

>Assignment 1:

>>Using Pytesseract perform OCR on your own aadhar Card

>Practical 2:

>>Using Pytesseract we will perform OCR on handwritten texts and see how it works.

>Assignment 2:

>>Using Pytesseract perform OCR on your custom handwritten texts and record your re

>Practical 3:

>>Using Pytesseract we will perform OCR on Paragraphs and see how our OCR works.

>Assignment 3:

>>Using Pytesseract perform OCR on any article of your wish and see how OCR works.

>Assignment 4:

>>Perform OCR on Random Images with Text and write down your Observations.

>Course summary :

>>Course Outro

>>Future learning path