



NLP Projects

Description:

Natural Language Processing (NLP) is a technique for deciphering and manipulating human language using algorithms. One of the most widely used fields of machine learning is this technique. You will gain knowledge of various NLP frameworks like SpaCy, NLTK, Torchtext, TensorFlow, Keras, hugging face, etc., and their project implementation. Study transfer learning in NLP - BERT family and many more.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Quizzes

Assignments

Hands-on practicals

Downloadable resources

Completion certificate

Hands-on practicals

What we learn:

Creating rest API's

Project building

Real-time projects

Application workflow

Requirements:

Prior understanding of NLP

A system with internet connection

Your dedication

Instructor:

Name:

Sourangshu Pal

Description:

Visual Computing Engineer and instructor at iNeuron.ai having 3 years of diverse experience in the discipline of visual computing with specialization in Deep Learning and Computer Graphics. Loves to analyze, process, and model visual data then interpret the insights to create actionable plans for solving challenging business problems.

>Introduction to course:

- >>Introduction to the course
- >>Course curriculum
- >>Installing software and applications
- >>Working with Anaconda environments
- >>Pycharm introduction
- >>Pycharm with conda
- >>Pycharm with venv
- >>Pycharm with pipenv

>Covering Python basics:

- >>Building a calculator
- >>Working with command-line arguments
- >>Building the Flask application
- >>Testing our app in Postman
- >>Learn to debug with Pycharm
- >>Adding a UI to our web app

>Text-to-speech:

- >>Introduction
- >>Project setup text-to-speech
- >>Project demo
- >>Code explanation
- >>Project workflow
- >>Prediction with Postman

>>Debugging application

>Speech-to-text:

>>Introduction

>>Project setup speech-to-text

>>Project demo

>>Code explanation

>>Project workflow

>>Prediction with Postman

>>Debugging application

>Spell Corrector:

>>Introduction

>>Project Setup Spell Corrector

>>Project demo

>>Code explanation

>>Project workflow

>>Prediction with Postman

>>Debugging application

>Named Entity Recognition:

>>NER using BERT

>Machine Translation &

Keyword Spotting:

>>Machine translation

>>Keyword spotting

>**Keyword Extractor &**

Summarization:

>>Keyword extraction

>>Extractive text summarization

>**Brand Measures:**

>>Brand measures project

>**Paraphrasing:**

>>Rephrase project