



Text Summarization

Description:

This is an advanced NLP project where we take news data from several sources and use Transformer models from HuggingFace and Fine tune it to generate news summary from complete news.

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

Text Summarization

Understand best coding practice in modular way

How to use Pre-Trained model from hugging face

How to Fine tune a pretrained model

Create a custom dataset and dataloader for faster loading of the data

Use Training pipeline and Prediction pipeline along with CICD to GCP

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

Bharath J P V

Description:

Enthusiast Data Scientist with a strong background in Mathematics and Statistics. Completed My Master in Statistics. Have experience teaching Mathematics and Statistics for more than a year. I taught for more than 1000 students and helped them make their careers in their respective fields. I believe in

"we rise by lifting others". Following this principle, I hope to make your life easier.

>Welcome to the Course:

>>Course Overview

>>Dashboard Introduction

>Project :- Text Summarization:

>>Introduction of Instructor

>>Project Overview

>>End Notes

>>Problem Description

>>Understand the application scope

>>Tour to existing solution

>>End Notes

>>Solution Description

>>BERT Methodologies

>>Notebook Walkthrough

>>Tour to Architecture diagram

>>Cost involved

>>End Notes

>>Structure overview

>>Data Ingestion

>>Data Validation

- >>Data Transformation
- >>Model Training and Tunning
- >>Model Evaluation
- >>Model Pusher
- >>Training Pipeline
- >>Frontend app design
- >>Tour to the cloud and Service Overview
- >>IAM setup
- >>GCP setup
- >>Workflow
- >>Adding Self hosted runner
- >>Conclude the project
- >>Points to improve from current project
- >>Assignments & External Resources