

Text Summarization

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.

Duration : 1 month

Language : english

Price : 15000

What you will 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

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

Requirements

- System with minimum i3 processor or better
- At least 4 GB of RAM
- Working internet connection
- Dedication to learn

Course Curriculum

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