Project flow:

Step1- setup github repository and create a folder where we want to store product

Step-2 in command prompt do A black screen with white text

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Step-3 create a virtual environment





Step-4 – git init



Step-5 – create a readme fiile and add it in github

A screen shot of a computer

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A computer screen shot of a black screen

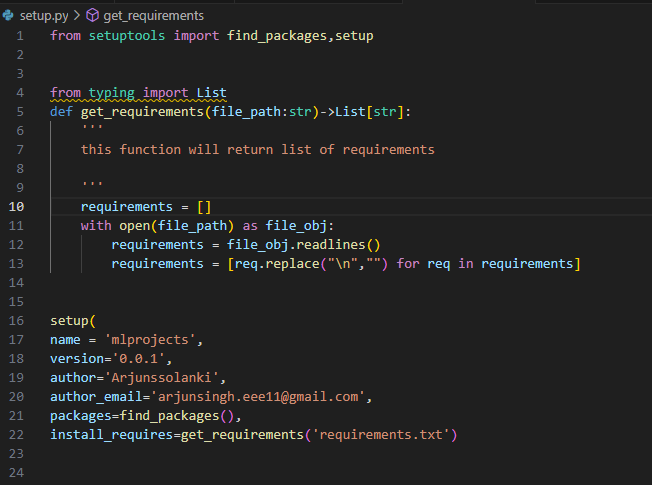
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Step-6 create a requirements.txt and setup.py

A screen shot of a computer program

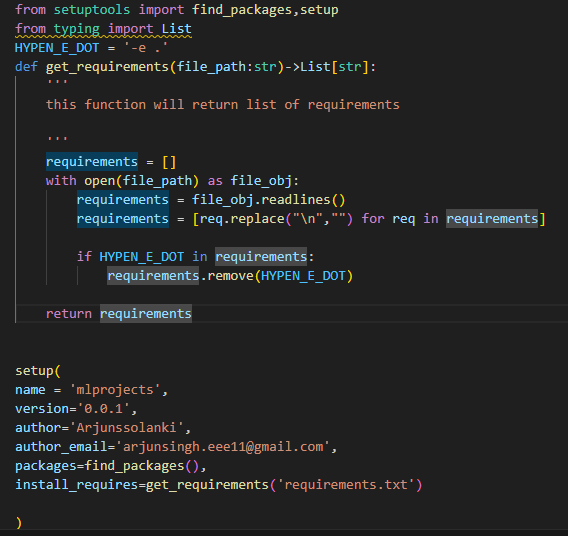
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Modifiying setup.py



Step-7 src (source) is use to find out how many packages there are

create a source folder and put \_\_init\_\_.py in it

Step-8 modify the setup tool 

Then in terminal write pip install -r requirements.txt

Poject structure: maximum work is on src (source) folder

Step-1 create a folder name component ,in src with

\_\_init\_\_.py

Create data\_ingestion.py – consist the code like get the data set, split into train and test set

data\_tranformation.py- consist all the steps related to data transformation

model\_trainer.py – training code, different kinds of model etc

step 2- create a folder name pipeline cosisting in src

training\_pipeline.py – consist of training pipeline

prediction\_pipeline.py – consit of prediction pipeline

step-3 in src create a logger.py file and exception.py

1. Exception.py-

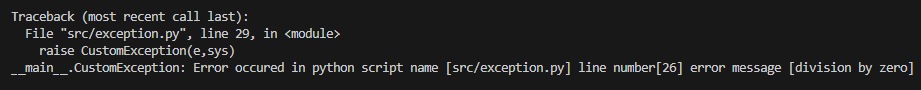
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Now run the file In the terminal

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New log file is created

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1. Logger.py –

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Now we will run the code:

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Error occurred : Since logger.py is under src so we need to run it python src/logging.py

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New folder is created named log

A black background with numbers

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Implementing the project:

Do the EDA and model training part in notebook folder

Tutorial-4: https://youtu.be/\_0v1UK7smBc?si=pCiCYH22UuiTbCFI

Data ingestion :

Goal is to create a

artifact folder is to keep all these files organized in a central location, making it easier for developers to manage and track the different components of the project.

SRC/components/data\_ingestion.py

Step-1 read data from specific data source

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Run the code on the terminal

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New folder name artifact is cretated consiting of train,test and raw data:

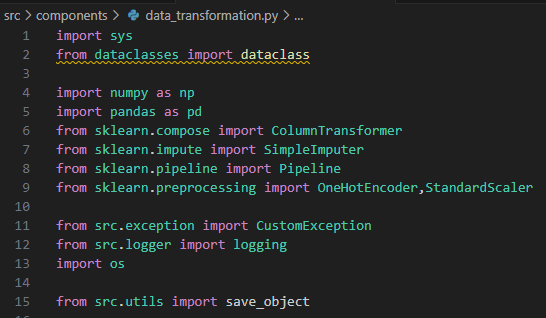
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Tutorial-5 <https://youtu.be/Zs2BZkgoivM?si=gpkuEmURcCTGW9Ll>

Data \_transformation.py

Feature engineering, data cleaning,etc for categorical and numerical features

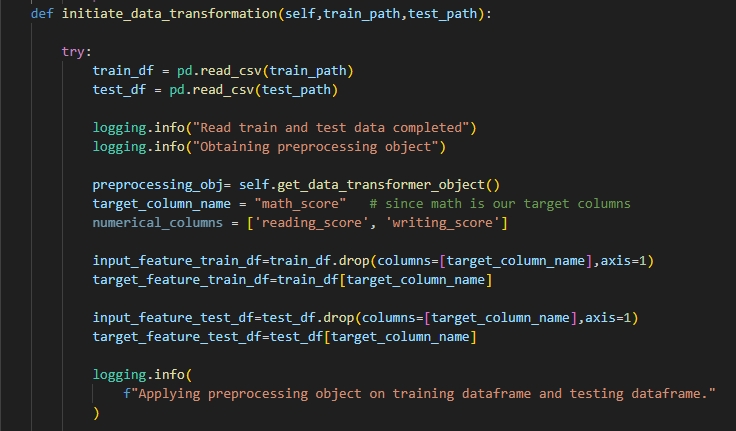


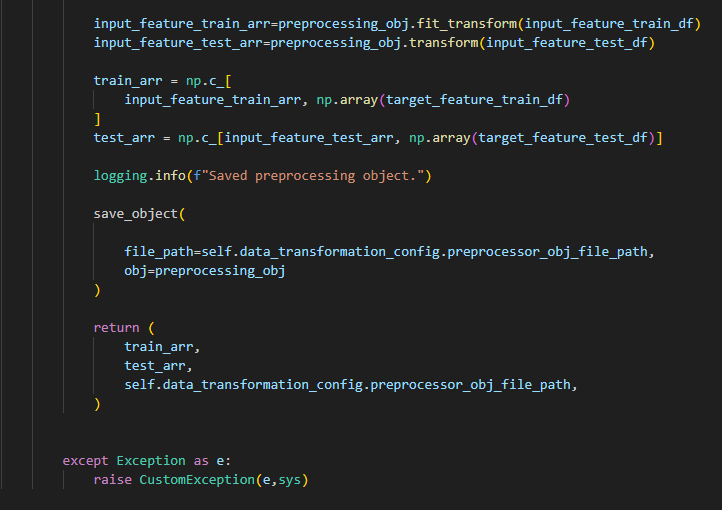
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A computer screen shot of code

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After doing all this fo to utils.py:

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Run the data\_ingestion.py in terminal

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Now we can see in our log :

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And new pickle file is created in artifact:

A screenshot of a computer program

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Tutorial -6 <https://youtu.be/EAWR1kFtEGo?si=5_Mwdk2FhYA3PPKl>

src\components\model\_trainer.py

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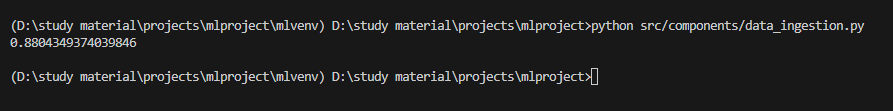
**A computer screen with many colorful text

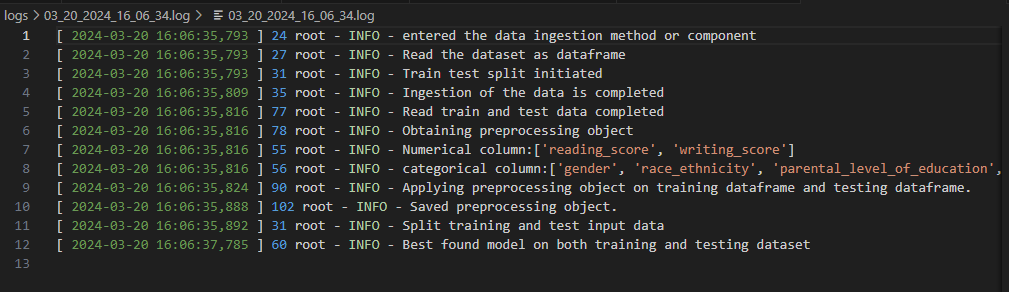
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**A screen shot of a computer program

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**Now running the data\_ingestion.py**





And we will get model.pkl and preprocesssor.pkl file