Model serialization

* Once the model been train and you are satisfied with the performance of your trained sentiment analysis mode, it is crucial to serialize and save is for any future use.
* Serialization will convert the model into a binary format that can be sotred on disk. The (joblib) library is commony used for model serialization in python. You can save the classifier model by using the dump function, providing the model object and the file path where you want to save it e.g. 🡪 joblib.dump(model, ‘model.pk’).

Import joblib

\*save the trained model

Joblib.dump(svm\_classifier,

‘sentiment\_analysis\_model.pkl’)

Deploying a model using API – FastAPI in python

* (deployment environment)

From fastapi import FastAPI

App = FastAPI()

* Building the deploying API

Crease a python script to define the API endpoint. This script should handle incoming requests, preprocess the data, and make predictions using the trained classifier model. You will then load the serialized more into memory using joblib.load and preprocess incoming data to march the model’s input requirements

Import joblip

\*load the serialised model

Model = joblib.load(‘sentiment\_model.pkl’)

\*build the deploying API

Pickle