

## Objective

Text classification to be served using flask

## Dataset:

[https://drive.google.com/file/d/1KG5bcw\\_1odIMFieL7C45SLJCcK2GQDt2/view?usp=sharing](https://drive.google.com/file/d/1KG5bcw_1odIMFieL7C45SLJCcK2GQDt2/view?usp=sharing)

## Task:

1. Use the dataset provided to build a classification model.
2. Use proper techniques to clean the textual data (stopwords, punctuation, lemmatization, stemming).
3. You can choose the vectorizer and the model of your choice but please provide some justification in the notebook.
4. Dump the model using joblib.
5. Create a small UI using flask to take input from the user, and pass the input to the model and return the classification results to the user.
6. Upload all of the code in github and share the repository. Add instructions to run the flask application.

## PS

Please note that this is a full time internship with the following expectations from the user: expertise in python and pandas (flask can be learnt very easily) and front end works are also expected to be handled by the user. If anyone is aware only of portions of this assignment, you can finish the assignment and get back with the notebook and we can discuss the stipend and role according to that.