

Sentiment Analysis API

Objective

You need to create an API endpoint that can accept a text and return associated sentiment with it.

Dataset

You can find the training dataset [here](#).

Project

1. Build a binary classification model using any library of your choice.
2. Develop an API server on python using [Pyramid web framework](#).
3. Implement APIs that can accept an english text and respond with the predicted sentiment.
4. Use OOPs concept to train the model, reading data for training, and implement inference class.
5. Upload the entire code to a newly created Git Repo.
6. (Bonus Points) Integrate [Swagger documentation](#) for your Rest API endpoint.

DeadLine

1 week from the date of receipt of this documentation.

What to Submit

1. Git repo link.
2. A small 1 page report on what all models you experimented with, what the final metrics from model training and testing are. Also report what steps you tried to tune your model.
3. A screen recording video where you showcase that you are able to make API calls from your browser or an App like Postman and get a JSON response from your server.

Send this to the email- nikunj@enthire.co.

Evaluation Criteria

1. How clean & documented the code is and how properly OOPs concept has been used.
2. Are all steps of the Project completed using the technologies specified in the problem statement.
3. What experiments were conducted for the model.
4. Has Swagger documentation been done.

Questions

1. If you have any questions, you can reach out to Nikunj at email (nikunj@enthire.co) or Whatsapp (+1-510-717-5970).

Next Steps

1. Once you submit your project, we will review and get back to you for one final interview if the project quality is good.