Assignment

(ML Internship)

Problem :

You have Superheroes dataset which have following columns:

1. Hero Name
2. Hero Actual Name
3. History : A brief history of hero background
4. Gender : Gender of superhero
5. Race : Race of hero he/she belongs e.g., Batman (Human)

*Superheroes Dataset can be found here* : [**Click Here**](https://drive.google.com/file/d/10-m66nAl8ceVvzPfFo4G4lfX6tJWjIDa/view?usp=sharing)

*Your task is to develop and deploy a web API in Flask/Django which can predict Hero’s ‘Race’ when ‘History’ of a superhero is provided* .

Evaluation Criteria :

1. Data Preprocessing : 30 %
2. Model Performance : 30 %
3. API Structure and Stability : 30 % (deployed model)
4. Coding Style : 10 % (clean code, best practices etc.)

Guidelines :

For Model creation you can use any algorithm provided in scikit-learn library. We highly discourage you to use Deep Learning for this problem.

For deployment of API you can use any cloud service providers like Heroku, Pythonanywhere etc.

Your submission MUST include :

* Link of your *github repository* which contains source code, pickle files along with all environment specific files like requirements.txt etc.
* Link of *deployed API*

You have to send your submission via email on : [*team@legalshala.com*](mailto:team@legalshala.com)

Kindly insure mentioning your *name and contact* info too.

Useful Links :

1. <https://devcenter.heroku.com/articles/getting-started-with-python>
2. <https://blog.pythonanywhere.com/121/>

For any query contact :

[*team@legalshala.com*](mailto:team@legalshala.com)