Stance Detection from Text

Technical Manual

- 1. Make sure you've git, npm/yarn and Python 3.8 ready on your machine.
- 2. Open a terminal window and execute git clone https://github.com/nishavak/stance-detection-from-text.git
- 3. Change current working directory to the cloned directory.
- 4. (Optional) Use a virtual environment to better manage the dependencies.
- 5. Install the necessary python packages to run the application using the command
 pip install -r requirements.txt
- 6. Create a .env environment file with REACT_APP_API=<your_python_api_endpoint> entry.
 - For instance, REACT_APP_API=http://localhost:8000/api/
- 7. Execute npm install && npm run build or yarn && yarn build depending on the Node.js package manager you're using to create a production build of the React frontend.
- 8. Download saved models from the <u>link</u> and save them in a folder named **models** inside **api** directory. Make sure you have downloaded all the files mentioned in the <u>models list.txt</u>
- 9. Make Django migrations and create a super user to view feedbacks submitted by users as an admin by executing commands

```
python manage.py makemigrations
python manage.py migrate
python manage.py createsuperuser
```

10. Finally, run your server, python manage.py runserver to check if everything works perfectly.

Folder structure

– api — admin.py apps.py - __init__.py — migrations — 0001_initial.py ___init__.py – models — c-a-n-b.h5 — c-a-n-d.h5 — c-a-s-dt.pkl - c-a-s-gb.pkl — c-a-s-gnb.pkl — c-a-s-knn.pkl — c-a-s-lr.pkl - c-a-s-rf.pkl — c-a-s-svc.pkl — c-a-u-gtr-fallback.pkl — c-a-u-gtr.pkl — c-a-u-nc-fallback.pkl - c-a-u-nc.pkl — c-b-n-b.h5 — c-b-n-d.h5 ├─ c-b-n-l.h5 - c-b-s-dt.pkl - c-b-s-gb.pkl

- c-b-s-gnb.pkl

- c-b-s-knn.pkl
- c-b-s-lr.pkl
- | | c-b-s-rf.pkl
- c-b-s-svc.pkl

- c-b-u-nc-fallback.pkl
- | | c-b-u-nc.pkl

- | | cf-a-s-dt.pkl
- | | cf-a-s-gb.pkl
- | | cf-a-s-gnb.pkl
- | | cf-a-s-lr.pkl
- | | cf-a-s-rf.pkl
- | | cf-a-s-svc.pkl
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- | | cf-b-s-dt.pkl
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- | | cf-b-u-gtr.pkl

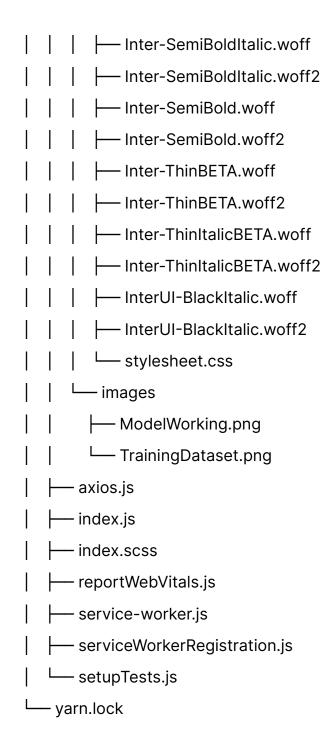
- | | cf-n-s-dt.pkl
- cf-n-s-gnb.pkl
- | | cf-n-s-knn.pkl
- | | cf-n-s-lr.pkl
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- cf-n-s-svc.pkl

- c-n-s-dt.pkl
- c-n-s-gb.pkl
- | | c-n-s-gnb.pkl
- c-n-s-knn.pkl
- c-n-s-lr.pkl
- | | c-n-s-rf.pkl
- c-n-s-svc.pkl

- ├─ models.py
- | |--- tests.py
- utils.py
- │ └─ views.py
- db.sqlite3
- folderstructure.txt
- LICENSE
- manage.py

— models_list.txt
— package.json
— public
│ ├── apple-touch-icon-114×114.png
│ ├── apple-touch-icon-120×120.png
│ ├── apple-touch-icon-144×144.png
│ ├── apple-touch-icon-152×152.png
│ ├── apple-touch-icon-180×180.png
│
│ ├── apple-touch-icon-72×72.png
│ ├── apple-touch-icon-76×76.png
│
— favicon.ico
├— icon-256×256.png
│
index.html
logo.png
— logo.svg
│
robots.txt
requirements.txt
server
│
│
│
└── wsgi.py

src
│
│
Inter-Black.woff
Inter-Black.woff2
Inter-BoldItalic.woff
Inter-BoldItalic.woff2
Inter-Bold.woff
Inter-Bold.woff2
Inter-ExtraLightBETA.woff2
Inter-ExtraLightItalicBETA.woff2
Inter-Italic.woff
Inter-Italic.woff2
Inter-LightBETA.woff
Inter-LightBETA.woff2
Inter-LightItalicBETA.woff2
Inter-Medium.woff
Inter-Medium.woff2
Inter-Regular.woff
Inter-Regular.woff2



9 directories, 165 files