Cyberbullying Detection on Social Media

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Web App URL

Cyberbullying Detection (cyberbullying-detection-docker.azurewebsites.net)

Code

The code is present in a GitHub repository below.

anuragwatane/Cyberbullying_Detection (github.com)

Command to clone the GitHub repository

$ git clone https://github.com/anuragwatane/Cyberbullying_Detection.git

The information about the repository structure and code files is mentioned in README.md file

Cyberbullying_Detection/README.md at main · anuragwatane/Cyberbullying_Detection (github.com)

Commands to create Virtual Environment

$ pip install virtualenv

$ cd <path to project directory>

$ virtualenv venv

$ venv\Scripts\activate

Command to install required packages

Make sure virtual environment is activated

$ pip install -r requirements.txt

Command to run Flask App on local machine

Make sure virtual environment is activated

Set the file with starting point
$ set FLASK_APP=app.py

Start the Flask App to access from IPv4 address
$ flask run --host 0.0.0.0

Docker command to build the Flask app

$ cd <path to project directory>

$ docker build -t cyberbullying-detection:<tag-name> .

Tag and push to Docker Hub

$ docker login

$ docker tag cyberbullying-detection:<tag-name> anuragwatane/cyberbullying-detection-repo:BERT-tag

$ docker push anuragwatane/cyberbullying-detection-repo:BERT-tag

Docker command to RUN the app

$ docker pull anuragwatane/cyberbullying-detection-repo:BERT-tag

$ docker run -p 4000:80 anuragwatane/cyberbullying-detection-repo:BERT-tag

Docker Hub repository URL

https://hub.docker.com/repository/docker/anuragwatane/cyberbullying-detection-repo

Dataset Used

UMICH SI650 - Sentiment Classification | Kaggle