

GROUP NAME: NLP_PROJECT_SNIGDHA

NAME: SNIGDHA

EMAIL: snigdha.150419@gmail.com

COUNTRY: UNITED STATES OF AMERICA

COLLEGE: UNIVERSITY OF MARYLAND BALTIMORE COUNTY

SPECIALIZATION: NLP

PROBLEM DESCRIPTION:

The term hate speech is understood as any type of verbal, written or behavioral communication that attacks or uses derogatory or discriminatory language against a person or group based on what they are, in other words, based on their religion, ethnicity, nationality, race, color, ancestry, sex or another identity factor. In this problem, We will take you through a hate speech detection model with Machine Learning and Python.

Hate Speech Detection is generally a task of sentiment classification. So, for training, a model that can classify hate speech from a certain piece of text can be achieved by training it on a data that is generally used to classify sentiments. So, for the task of hate speech detection model, We will use the Twitter tweets to identify tweets containing hate speech.

DATA CLEANSING AND TRANSFORMATION:

1. Checking for duplicates and eliminating them.
2. Converting the data into lower case
3. Removing special characters using regex
4. Applying CountVectorizer, TfidfVectorizer, SentimentIntensityAnalyzer and AFFIN