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PROJECTS

Natural Language based project Quora Duplicate Question Pair Classifier

- Natural Language based project Quora Duplicate Question Pair Classifier
- Implemented Classification Machine Learning model to predict the Duplicate question pairs.
- Collected and preprocessed data, performed Feature engineering and Text Preprocessing.
- The project uses advanced NLP models like **Bag of Words**, **TF-IDF** and **N-Grams**, etc.
- Trained on **Random Forest**, **Naïve Bayes**, and Deep Learning Models like **RNN**, **GRU**, **LSTM** Models to Predict the Duplicate-question-pairs.
- Achieved an accuracy of **95%** on training data and **88%** on testing data.

Sentiment Analysis for Social Media

- Collected and preprocessed data of social media like Instagram, Twitter, WhatsApp using libraries like Beautiful Soup, Scrapy, Datasets, etc.
- Implemented Natural Language Processing (NLP) techniques for Text cleaning, Tokenization, etc.
- Identified key topics and trends within the data using topic Modeling techniques.
- Used algorithms like **Logistic Regression**, **Naïve Bayes**, and DL models like **RNN**, **GRU**, **LSTM**, etc. to classify posts into positive, negative, and neutral.
- Achieved an accuracy of **92%** on training data and an accuracy of **86%** on testing data.

Education

St. Andrews Institute of Technology and Management (MDU, Rohtak, Haryana) | B. Tech

- Percentage : 70%
- Majors : Computer Science and Engineering

NP Co-Ed School Moti Bagh | XII (CBSE)

- Percentage : 63%
- Majors : Science (PCM)

SKILLS

Programming Languages	: Python, C++
Libraries/Framework	: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Pytorch, NLP
Machine Learning	: Supervised ML, Transfer Learning, DL, ANN, CNN, RNN, GRU, LSTM
Operating Tools	: Jupyter Notebook, Git, SQL, Streamlit, VSCode,
Operating system	: Windows

Other

- Certifications: Summer Internship in Data Science and Machine Learning by Upskill (UCT).
- Workshops: Attended 'Neural Networks and Deep Learning' workshop by DeepLearning.AI.