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PROJECTS

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**, which are computationally intensive and complex to implement
- Trained on Random Forest and XGBoost Model to Predict the Duplicate-question-pairs.
- Achieved an accuracy of **85%** on training data and **86%** on testing data.

Sentiment Analysis for Social Media

- Collected and preprocessed data of social media like Instagram, Twitter, WhatsApp using libraries like **BeautifulSoup**, **Scrapy** etc.
- Implemented Natural Language Processing (NLP) techniques for **text cleaning, tokenization, and sentiment analysis**.
- Identified key topics and trends within the data using topic Modeling techniques.
- Used algorithms like Logistic Regression, SVM, or DL models like CNN or RNN to classify posts into positive, negative, and neutral.
- Achieved an accuracy of **88%** on testing data.

EDUCATION

Maharshi Dayanand University, Rohtak, Haryana | Bachelor of Technology

- CGPA: 7.5/10.0
- Majors - Computer Science and Engineering

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

- Percentage - 63%
- Majors - Science

SKILLS

Operating system - Windows

Programming Languages – Python

Python Libraries - Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, Spacy, NLTK.

ML/DL - Supervised Machine Learning, ANN, CNN, RNN, NLP