Yash Raj

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**PROJECTS**

**Natural Language based project Quora Duplicate Question Pair Classifier**

* Implemented ClassificationMachine Learning model to predict the Duplicate question pairs.
* Collected and preprocessed data, performed Feature engineering andText 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 Forestand XGBoostModel 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