

Synapse Interview Tasks

1. [COMPULSORY] Create a project synopsis document that outlines the work plan, project planning for **any one topic** given below:
 - a. **Natural Language Processing:**
 - i. **Sentiment Analysis:** Perform Sentiment Analysis on tweets that you can fetch from Twitter API or use any dataset for the same.
 - ii. **Text Similarity:** Compare any two given texts and provide a similarity score (Using Cosine Similarity and Word Embeddings).
 - b. **Computer Vision:**
 - i. **Object Detection:** Detect classes of objects from a given picture stream in real time.
 - ii. **Face Recognition:** Detect all faces from a given picture stream in real time.
2. [COMPULSORY] Data Cleaning and Visualization: Task [here](#).
3. [OPTIONAL](extra credits) Take another topic from 1. and create a project synopsis for the same.

Tasks 1 and 2 are mandatory. Task 3 is optional.

[Resources for task 2](#)

To submit these tasks and create a **public GitHub repository**, with separate folders for each task. Put the link in the registration form.