CMPE 256 Sec 49 Advance Data Mining Project Requirements

Group Name - Abraca-Data

Group Members -

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About Project - In Today's fast moving world, it's hard to keep yourself updated with the latest happening around the world. **We aim to deliver a News Platform where you can check news influencers opinions on a story.**

Requirements and Deliverables -

1. **Develop Architecture Design for complete end to end Natural Language Processess** - The project's end product should be to unite existing NLP packages best practices into a project with a uniform API and good documentation.
2. **Building a Robust Data Collection Pipeline** - Development of pipelines to get news data on a timely manner from the data sources.
3. **Develop Process for Natural Language Understanding , Sentiment and Opinion Mining** - Development of project codebase for information mining, sentimental analysis and opinion mining on news data using supervised and rule based algorithms.
4. **Develop Process for Delivery of mined information and opinions to the client side** - Development of the API's to deliver and render the developed model outputs to the News Platform in a streamlined manner.

Resources and Tools for the codebase-

Amazon Web Services, Github, Jenkins, Microsoft Azure.

Client Side Technologies - Vue

Server Side Technologies - Python