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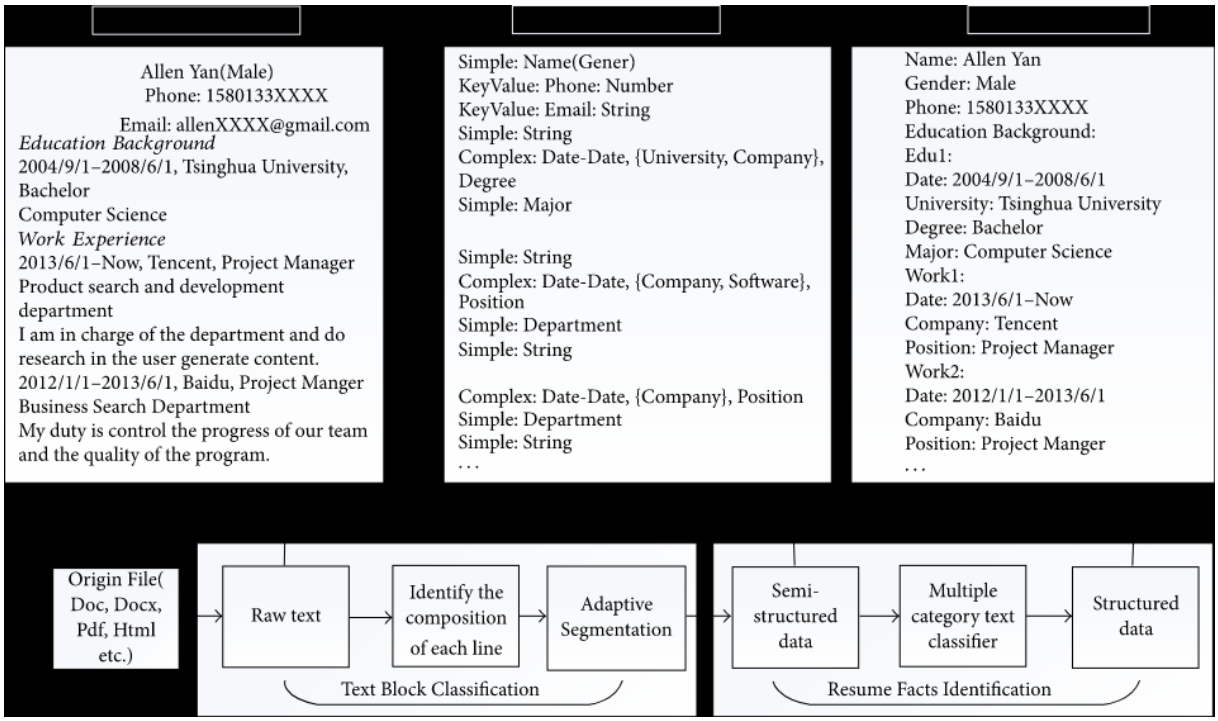
Specialization : NLP

Problem description:

Resumes contain surfeit information that is not relevant for the HR/authority, and they have to manually process the resumes to shortlist the promising candidates for them. And, thus making the shortlisting task a herculean task for HR. By making use of the NER (Named Entity Recognition) model of NLP this problem can be solved by finding and classifying the entities that are present in each resume into predefined classes such as person name, college name, academics information, relevant experiences, skill set, etc.



Business understanding:

Business objectives :

This project is dedicated to HR managers to help them:

- Converting hours of labor into seconds.

-Increase recruiters' efficiency and availability.

-Reducing the need for more employees.

-Avoiding errors.

Data science objectives:

-Identifying the suitable technologies for our business objectives.

- Training and deploying fast and efficient Deep Learning models.

Project plan:

The dataset (json format) has been provided by Data glacier.

One person (an intern) will be working on this project during one month.

Code (Jupiter notebooks), ppt presentation and a final report will be delivered by the deadline of this project.

the NER (Named Entity Recognition) model of NLP will be used to sort and classify resumes.

Key results:

An efficient NLP model used for resumes sorting and classifying with high accuracy should be delivered by the end of this project.

(Model deployment through a flask web app if possible before deadline)

Project lifecycle along with deadlines:

Business understanding:19/07->21/07

Data exploring and understanding:22/07->27/07

Data Cleansing and Transformation:28/07->03/08

Presentation and proposed modeling techniques:04/08->06/08

Model Selection and Model Building:07/08->13/08

Final presentation and report:14/08->15/08

Data Intake report:
https://drive.google.com/file/d/1fAaJZzIAWqTUyTjJyGaKuR4e5l22mB39/view?usp=sharing

GitHub Repo link: https://github.com/NadaBelaidi/NLP-Resume-Extraction