Assignment Description: Building a Resume Parser with Transformer Model

Objective:

The objective of this assignment is to develop a robust resume parser capable of handling files with docx, docs and pdf extensions. The parser should leverage a Transformer Model to extract relevant information from resumes and present the output in JSON format.

Background:

In the era of digital recruitment, companies receive a multitude of resumes in various formats. Automating the process of extracting key information from resumes not only saves time but also ensures accuracy. Leveraging the Transformer model provides an intelligent solution to comprehend and extract meaningful data from diverse resume formats.

Requirements:

1. File Format Support:

- The parser must be able to handle resume files with the following extensions: docx, docs, and pdf.

2. Transformer Model Integration:

- Utilize a Transformer model to comprehend and extract information from the resume content. This can include pre-trained models like BERT, GPT, or any other transformer-based architecture suitable for the task.

3. Information Extraction:

- Extract key information such as:
  - Contact Information (Name, Email, Phone Number)
  - Education History (Institution, Degree, Graduation Year)
  - Work Experience (Company, Position, Description,Duration)
  - Skills
  - Additional sections as applicable (Certifications, Projects, etc.)

4. Output Format:

- Present the extracted information in JSON format for easy integration with other systems. Output format is mention in the last

Submission Guidelines:

- Use GitHub Gist Or Google Colab links to share the source code.