• Project :- Resume Scanner

➢ A resume scanner is an application that scans all the keywords on a resume to match the skills and qualifications needed for a particular job. Most businesses' human resources departments today use software known as an Applicant Tracking System which is used to select the right candidates for a particular job.

➢ Such software scans a document to extract and match the keywords on a resume with the skills and qualifications needed to perform a particular job. This is nothing more than resume scanning and an application used to perform this task is known as a resume scanner.

Code :-

➢ Install and import docx2txt module.

```
!pip install docx2txt
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: docx2txt in /usr/local/lib/python3.7/dist-packages (0.8)
```

```
[ ] import docx2txt
```

- Add Job description and Resume docx file.

```
job_descriprion = docx2txt.process('/content/Job_Requirements.docx')
resume = docx2txt.process('/content/Resume_1.docx')
```

- Print Resume.

```
print(resume)
```

```
Objective

To replace this text with you own, just click it and start typing. Briefly state your career objective,



Education

Degree Title | School

Dates From – To

It’s okay to brag about your GPA, awards, and honors. Feel free to summarize your coursework too.

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```

- Create List, function for convert txt to vector form.

```
[ ]  content = [job_descriprion, resume]

[ ]  from sklearn.feature_extraction.text import CountVectorizer
     cv = CountVectorizer()
     matrix = cv.fit_transform(content)

[ ]  from sklearn.metrics.pairwise import  cosine_similarity
     similarity_metrix = cosine_similarity(matrix)
```

- Final Output of scanning resume.

```
print(similarity_metrix)

[[1.         0.02589288]
 [0.02589288 1.        ]]

[ ]  print('Resume matches by : ' + str(similarity_metrix[1][0]*100) + '%')

     Resume matches by : 2.5892875490989704%
```

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