

MINI PROJECT

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resume = input("Resume skills: ").lower().split(",")
job = input("Job skills: ").lower().split(",")

resume = [s.strip() for s in resume]
job = [s.strip() for s in job]

matched = set(resume) & set(job)
missing = set(job) - set(resume)

print("Matched:", ", ".join(matched))
print("Missing:", ", ".join(missing))

Resume skills: "python","sql","java","c"
Job skills: "python","sql","excel","powerbi","ML","DL",AWS"
Matched: "sql", "python"
Missing: "powerbi", "excel", "dl", aws", "ml"

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```

text = input("Enter resume paragraph: ").lower().split()

total = len(text)
unique = len(set(text))

most = max(set(text), key=text.count)

print("Total Words:", total)
print("Unique Words:", unique)
print("Most Repeated Word:", most)

```

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Enter resume paragraph: Motivated and detail-oriented Software Developer with 4+ years of experience building scalable web appli
Total Words: 36
Unique Words: 33
Most Repeated Word: and

```

```

sentence = input("Enter sentence: ").split()

for i in range(len(sentence)-1):
    if sentence[i].isdigit() and sentence[i+1].startswith("year"):
        print("Experience Detected:", sentence[i], "Years")
        break
    else:
        print("No experience detected.")

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Enter sentence: i have 5 years of experience
Experience Detected: 5 Years

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```

title = input("Enter job title: ")
for ch in "!@#$%^&*()-_=+[]{};:'\",.<>?/|\\`~":
    title = title.replace(ch, "")
title = title.title()

print("Normalized Job Title:", title)

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Enter job title: DATA@ANALYST
Normalized Job Title: Dataanalyst

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```

skills = input("Enter skills (comma separated): ").lower()

if "machine learning" in skills or "ml" in skills or "data" in skills or "python" in skills:
    print("Predicted Category: Data/ML")

elif "html" in skills or "css" in skills or "javascript" in skills or "react" in skills or "frontend" in skills:
    print("Predicted Category: Web Development")

elif "java" in skills or "c++" in skills or "c#" in skills or "software" in skills:
    print("Predicted Category: Software Development")

else:
    print("Predicted Category: Other")

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```
Enter skills (comma separated): ml  
Biodata_Catagories_Data.csv
```

```
text=input("enter the resume text:").lower()  
skill=input("search for the skill:").lower()  
count=text.count(skill)  
print("skill appears",count,"times")
```

```
enter the resume text:"I have strong experience in Python and Java. I have used Python for data analysis, automation, and backend search for the skill:python  
skill appears 3 times
```

```
text=input("enter the text:")  
email=""  
for word in text.split():  
    if "@" in word:  
        email=word  
        break  
if email:  
    print("Email extracted:",email)  
else:  
    print("NO Email extracted")
```

```
enter the text:my name is mayuri and my email is mkatta2@gitam.in  
Email extracted: mkatta2@gitam.in
```

```
tools = input("Enter tools/technologies (comma separated): ").lower().split(",")  
  
tools = [t.strip() for t in tools]  
languages = ["python", "java", "c", "c++", "javascript", "ruby"]  
databases = ["mysql", "postgresql", "mongodb", "sqlite"]  
frameworks = ["react", "django", "flask", "angular", "spring"]  
  
lang_count = 0  
db_count = 0  
fw_count = 0  
  
for t in tools:  
    if t in languages:  
        lang_count += 1  
    elif t in databases:  
        db_count += 1  
    elif t in frameworks:  
        fw_count += 1  
  
print("Programming Languages:", lang_count)  
print("Databases:", db_count)  
print("Frameworks:", fw_count)
```

```
Enter tools/technologies (comma separated): python,java,c,postgresql,flask,angular  
Programming Languages: 3  
Databases: 1  
Frameworks: 2
```