

## MINI PROJECT

```
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"
```

```
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)
```

```
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.")
```

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

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

```
print("Normalized Job Title:", title)
```

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

```
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")
```

```
Enter skills (comma separated): ml
```

```
Predicted Category: Data/ML
```

```
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 backen
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
```