In [16]:
```python
import torch
from transformers import BertTokenizer, BertModel
from sklearn.metrics.pairwise import cosine_similarity
import numpy as np

tokenizer = BertTokenizer.from_pretrained('bert-base-uncased')
model = BertModel.from_pretrained('bert-base-uncased')

def get_bert_embeddings(text):
    inputs = tokenizer(text, return_tensors='pt', truncation=True, padding=True)
    with torch.no_grad():
        outputs = model(**inputs)
    return outputs.last_hidden_state.mean(dim=1).numpy()

job_description = "Looking for a data scientist with experience in Python, machine

cv_sections = {
    "Skills": "Python, Machine Learning, Data Analysis, SQL",
    "Experience": "3 years of experience as a data scientist in analyzing data usin
    "Education": "Master's in Computer Science",
    "Certifications": "Certified Data Scientist, Python for Data Science"
}

job_desc_embedding = get_bert_embeddings(job_description)
section_scores = {}

for section, content in cv_sections.items():
    section_embedding = get_bert_embeddings(content)
    score = cosine_similarity(job_desc_embedding, section_embedding)[0][0]
    section_scores[section] = score

ranked_sections = sorted(section_scores.items(), key=lambda x: x[1], reverse=True)

for section, score in ranked_sections:
    print(f"{section}: {score:.4f}")
```

```
Experience: 0.8824
Skills: 0.8133
Certifications: 0.7683
Education: 0.5758
```

In [ ]: