Celia M11209802

LLM for Human Resource

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[17]: model_name = "distilgpt2"
[18]: from transformers import AutoTokenizer, AutoModel
           tokenizer = AutoTokenizer.from_pretrained(model_name)
model = AutoModel.from_pretrained(model_name)
[19]: print("Model loaded:", model_name)
           print(model.config)
           Model loaded: distilgpt2
           GPT2Config {
   "_name_or_path": "distilgpt2",
   "_num_labels": 1,
               "activation_function": "gelu_new",
               "architectures": [
                   "GPT2LMHeadModel"
               "attn_pdrop": 0.1,
"bos_token_id": 50256,
               "embd_pdrop": 0.1,
"eos_token_id": 50256,
"id2label": {
                   "0": "LABEL_0'
               "initializer_range": 0.02,
               "label2id": {
                   "LABEL_0": 0
               "layer_norm_epsilon": 1e-05, "model_type": "gpt2",
               "n_ctx": 1024,
"n_embd": 768,
"n_head": 12,
"n_inner": null,
[33]: def check_skills(resume_text, required_skills):
    matched_skills = [skill for skill in required_skills if skill.lower() in resume_text.lower()]
    return matched_skills
          def check_experience(resume_text, relevant_experience):
    experience_matches = [exp for exp in relevant_experience if exp.lower() in resume_text.lower()]
    return experience_matches
           def check_education(resume_text, required_education):
   education_matches = [edu for edu in required_education if edu.lower() in resume_text.lower()]
   return education_matches
           def check_language(resume_text):
    language_issues = ["Some issues found"] if "error" in resume_text.lower() else ["No major issues"]
    return language_issues
[34]: import torch
           def analyze_distilgpt2(resume_text):
                  inputs = tokenizer(resume_text, return_tensors="pt", padding=True, truncation=True)
outputs = model.generate(**inputs, max_length=500, num_return_sequences=1)
analysis_result = tokenizer.decode(outputs[0], skip_special_tokens=True)
                   return analysis_result
[35]: def screen_resume(resume_text, required_skills, relevant_experience, required_education):
    skills = check_skills(resume_text, required_skills)
    experience = check_experience(resume_text, relevant_experience)
    education = check_education(resume_text, required_education)
    language_issues = check_language(resume_text)
                  return {
    "skills": skills,
    "experience": experience.
```

```
def screen_resume(resume_text, required_skills, relevant_experience, required_education):
    skills = check_skills(resume_text, required_skills)
    experience = check_experience(resume_text, relevant_experience)
    education = check_education(resume_text, required_education)
    language_issues = check_language(resume_text)

return {
    "skills": skills,
    "experience": experience,
    "education": education,
    "language_issues": language_issues
}
```

Issue:

I tried to use llama2 model for this project but unfortunately, whenever I tried to load the model, it didn't work.

It always said "The kernel for HuggingFaceGuidedTourForMac/Untitled1.ipynb appears to have died. It will restart automatically."

I had tried to follow this tutorial but nothing has changed.

 $\underline{https://stackoverflow.com/questions/47022997/jupyter-the-kernel-appears-to-have-died-\underline{it-will-restart-automatically}}$

I asked ChatGPT about this problem and it didn't really help as well...

My assumption is because I am currently using Mac M1 for this project and it seems Ilama2 needs a heavier processor to load. I decided to continue using distilgpt2 even though I know it is not good enough for this project...

I have no screenshot for this as I forgot to take one...