import os

from dotenv import load\_dotenv

from crewai import Agent, Task, Crew, Process

from crewai\_tools import SerperDevTool

def main():

print("Script is running")

# Load environment variables from the .env file

load\_dotenv()

# Read the API keys from the environment

openai\_api\_key = os.getenv('OPENAI\_API\_KEY')

serper\_api\_key = os.getenv('SERPER\_API\_KEY')

if not openai\_api\_key or not serper\_api\_key:

print("API keys are not set properly")

return

try:

print("Creating search tool")

search\_tool = SerperDevTool()

print("Creating researcher agent")

researcher = Agent(

role='Senior Researcher',

goal='Create a brief about how companies in the HR tech space are leveraging AI',

verbose=True,

memory=True,

backstory=(

"Driven by curiosity, you're at the forefront of"

"innovation, eager to explore and share knowledge that could change"

"the world."

),

tools=[search\_tool],

allow\_delegation=True

)

print("Defining research task")

research\_task = Task(

description=(

"Identify the next big trend in AI."

"Focus on identifying pros and cons and the overall narrative."

"Your final report should clearly articulate the key points,"

"its market opportunities, and potential risks."

),

expected\_output='A comprehensive 3 paragraphs long report on the latest AI trends in sourcing candidates.',

tools=[search\_tool],

agent=researcher,

)

print("Creating crew")

crew = Crew(

agents=[researcher],

tasks=[research\_task],

process=Process.sequential # Optional: Sequential task execution is default

)

print("Kicking off the crew")

result = crew.kickoff(inputs={'topic': 'AI in healthcare'})

print(result)

except Exception as e:

print(f"An error occurred: {e}")

if \_\_name\_\_ == "\_\_main\_\_":

main()