CrowdWisdomTrading AI Agent
Intern position assessment

Hi,
The document gives a brief introduction to an assignment to check your qualifications for the internship. Please complete it on your own time and submit it up to 1 week.

Project Overview

Create a backend Python script using CrewAI that provides sentiment analysis for 10 X creators.

Technical Requirements

- Language: Python
- Framework: CrewAI (latest)
- LLM Provider: litellm + any model you want

Project Scope

Develop a CrewAI agents with flow that:

1. get SEC data in the last 24 hrs
2. get insiders trading activity from SEC website in the last 24 hrs
3. get the prior weeks data and compare last 24 hours on a chart - by an agent!
4. integrate save to full report (with chart) with most active insider activity today

Agent Design

think how each agent is a single employee and assign tasks accordingly - dont overload tasks
you must use crewai flow with guardrails!

Data Sources

https://github.com/crewAIInc/crewAI-quickstarts
https://www.youtube.com/watch?v=f05kjsjqdsE - check this…
https://www.youtube.com/watch?v=e3xP_lAjktI
https://www.youtube.com/watch?v=8PtGcNE01yo
https://www.youtube.com/watch?v=7GhWXODugWM example on how to use RAG with Crewai (there is the code example there as well)
https://github.com/codebasics/crewai-crash-course
https://medium.com/@ShaniCodes/so-i-built-my-own-social-media-ai-crew-because-i-didnt-want-to-pay-for-jasper-ai-40a279ffe89a

Deliverables

1. Python script with CrewAI implementation
2. Sample input/output examples

Evaluation Criteria

- working output
- Effective use of CrewAI Flow + tools + crewai RAG
- Data retrieval and processing
- Code clarity and organization
- using tools with building code agents like cursor.com / https://windsurf.com/ etc.

Extra points for (for example):

- adding youtube videos into the rag and reporting both X and YT in same RAG
- logging and error handling
- identifying when there is a relevant image to process with multi model

Submission Requirements

- Runnable Python code (no dockers etc. keep it simple)
- Clear documentation of the approach
- video of running code

Timeline

You will have **5 - 7 days** to complete this task. Please ensure you submit the deliverables by the end of this period.

Submission by email gilad@crowdwisdomtrading.com

Submit the following:

- A link to your GitHub/GitLab repository.
- A output examples.

We look forward to seeing your solution!

Thanks for applying!
Gilad
CrowdWisdomTrading CEO