Pre-Hackathon Assignment: Social Media Performance Analysis

Submission Deadline: January 8th

Objective:

Develop a basic analytics module utilizing <u>Langflow</u> and <u>DataStax</u> to analyze engagement data from mock social media accounts.

Required Tools:

- DataStax Astra DB for database operations.
- Langflow for workflow creation and GPT integration.

Task Details:

1. Fetch Engagement Data:

- Create a small dataset simulating social media engagement (e.g., likes, shares, comments, post types).
- Store this data in DataStax Astra DB.

1. Analyze Post Performance:

Using Langflow, construct a simple flow that:

- Accepts post types (e.g., carousel, reels, static images) as input.
- Queries the dataset in Astra DB to calculate average engagement metrics for each post type.

1. Provide Insights:

Utilize GPT integration in Langflow to generate simple insights based on the data.

Example outputs:

- Carousel posts have 20% higher engagement than static posts.
- Reels drive 2x more comments compared to other formats.

Submission Requirements:

Visit - https://www.findcoder.io/

- Create your project and link it to the Level Supermind Hackathon.
- Record a video describing:
 - The Langflow workflow
 - How DataStax was used to store and query data
 - How GPT was leveraged to generate insights
- Submit the link to your Github repository or a Google Drive link containing a ZIP file of your code.
- Submit the YouTube video link (ensure the video is not private).
- Include a well-written description (recommended).
- Ensure the project repository is public.

Note:

A demo video is mandatory.

Hackathon submissions happening on :- https://www.findcoder.io/hackathons/SuperMind-Hackathon/67668c927a79c23209528177