Logo, company name

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**Ganit Capstone Project 1**

**Team Mentors –**

**Instructions:**

Welcome to Ganit capstone project!

We hope you find this challenge interesting. We won't provide any kind of starter code, so feel free to configure your own environment to achieve the proposed goals.

Please ensure the data collect should become a reusable asset

**Tip :- Go creative, I take you’ll as super smart people**

We would be using the [Indian Mutual Fund](https://www.mfapi.in/)(<https://www.mfapi.in/>) api’s to get the Indian mutual fund data. Extract the entire historical Mutual fund data for all funds and build a mechanism to update the missing data daily.

Major Objectives of Capstone Project(You are not bound to do things exactly as mentioned)

* Do data Analysis
* Build a script to load the entire historical data on s3 buckets. Do the entire data profiling to understand the trends in data. Build QC checklist based on the data profiling done.
* Load the entire into any Relational Database of your choice. Build data load summary reports to validate the data loads.
* Develop an ETL pipeline to pull the updated data from these api’s daily at a fixed time. The jobs should have failure alerts and should also daily load summary report over email. Use Airflow to orchestrate the entire job
* Build a live dashboard to show the various trends across currencies. The user should also be able to use the dashboard as a currency convertor with the ability to do currency conversion of any old date

The entire infrastructure should be developed on AWS. You are free to use any services on AWS. You can also use any visualization tool of your choice

Kindly share the git repository with us after completion of the challenge. The git repositories should also capture screenshots of successful outcomes, dashboards & documentation.

Good luck, and happy coding!