Data Engineering Final Project
Teamwork Reflection

Self-Reflection:

Engaging in the development of a Flask-based stock analysis app and hosting it on Azure has provided me with a unique opportunity to not only acquire technical expertise in deployment but also cultivate non-technical skills, such as teamwork and collaboration. Despite the team members possessing prior corporate experience, this project exposed us to novel situations, including the absence of a designated "manager" and the necessity to adjust schedules for discussions without fixed timings, as was customary in our previous corporate roles.

From a technical standpoint, these recent weeks have allowed me to gain exposure to areas previously unfamiliar, such as Docker Images, app development, website hosting, and HTML. In retrospect, mastering these aspects individually would have proven challenging, but through collaborative teamwork, we successfully divided tasks, shared knowledge, and capitalized on the collective expertise and skills within the team.

While certain adjustments were made to our initial plans as the project unfolded, and acknowledging that there is room for improvement, I am exceedingly content with the overall outcome of our project. This experience has not only augmented my technical repertoire but has also instilled valuable non-technical skills that I am confident will prove beneficial in both my professional and personal pursuits.

Peer Review:

1. Divya Sharma:
Positive Attributes:
    a. Demonstrated a robust grasp of SQL, instrumental in establishing Azure Databricks pipelines in our project.
    b. Displayed creativity and innovation in optimizing API calls and reducing latency.
    c. Exhibited accommodative behavior and provided assistance with my technical queries.

Areas of Improvement:
    a. Can try to enhance code compartmentalization and include more comments for improved comprehension
    b. Seemed to face bandwidth issues due to conflicting commitments.
    c. Related to the first point, can develop the code over multiple commits so that it's easier to roll back to an intermediate version in case of any issues.

2. Ayush Gupta:
Positive Attributes:
    a. Possesses strong communication and networking skills.
    b. collaborated effectively despite his early departure to his home country.
    c. Played a pivotal role in creating a user-focused demo video and README.

Areas of Improvement:

a. Can improve on his technical abilities to complement his soft skills.
b. Initially had some bandwidth issues due to other projects and commitments which led to slight delays in project plan discussion phase.
c. Can contribute more to the project codes and pipelines

3. Udyan Sachdev

Positive Attributes:
a. Demonstrated proficiency in front-end and analytical skills.
b. Displayed commendable leadership qualities, remaining proactive and solution-oriented.
c. Similar to Ayush, Exhibited commitment by maintaining contributions despite an early departure to his home country.

Areas of Improvement:
a. He could try to improve his code structure and add more comments for clarity.
b. His initial folder structure was confusing as the data was being read and written to different locations. having an organized folder structure and naming convention would make it easier for others to understand the overall flow of data and code.
c. Sometimes it felt like he was rushing too much, which ended up adding some pressure on the other teammates.

Conclusion & Team meeting outcomes

During the post-project meeting, the team collectively acknowledged and celebrated the successful completion of the project. There was a shared sense of gratitude for the valuable learning experiences, both technically and in terms of soft skills like adaptability and collaboration.

We were proud of how each of us contributed to the project from Udyan building the front end, Divya and I working on the Data pipelines and app deployment and Ayush focusing on CI/CD, documentations and IaC.

Peer reviews were discussed openly, with team members appreciating positive feedback and embracing constructive suggestions for improvement. It was very helpful to receive the feedback and to know how others perceive the way we work.
To wrap up, overall it was a very rewarding experience where we gained technical and non-technical skills, learnt from each other and more importantly built our friendship.