

Project Progress Report: 09/18/2025

To: Basu Sir

From: Melina Singh

Date: 09/18/2025

Subject: Progress Update – Pipeline Adaptation for New Data Server & LLM Integration

Summary:

Following the successful refactoring of the pipeline to support the new data server, today's focus was on conducting light validation checks and reviewing the pipeline's performance under varying data loads. Additionally, minor improvements were made to the prompt construction logic to improve robustness ahead of full Gemini integration.

What Was Done Today:

- Reviewed preprocessing output for consistency across different data batches.
- Added minor optimizations to prompt formatting for improved LLM response quality.
- Verified data validation logs for false positives or missed edge cases.
- Monitored for any new formatting or encoding anomalies in incoming server data.

Current Status:

- The pipeline remains stable and fully aligned with the server's output.
- LLM-ready prompts are being generated as expected.
- Gemini integration is still on hold due to ongoing API access issues.

Next Steps:

- Continue working with the team to resolve Gemini API access constraints.
- Initiate end-to-end testing once API access is available.
- Track and refine prompt performance once live model inference begins.

Note:

Code changes (minor prompt logic update and logging tweaks) have been committed to the Company repository.