Receipt Data Extraction - Performance Summary

Model Performance Overview

- Average Processing Time: 3.5 seconds per image

- Total Images Processed: 625

- Processing Environment: Local machine with internet connectivity

Detailed Performance Metrics

Processing Speed

- Per Image: 3.5 seconds

- Factors Affecting Speed:

- Image complexity

- Network latency

- API response times

Model Configuration

- AI Model: Gemini 1.5 Flash 8B Experimental

- Configuration Parameters:

- Temperature: 0.2

- Top P: 1.0

- Top K: 32

- Max Output Tokens: 4,096

Limitations

- Performance varies with image quality

- Dependent on stable internet connection

- Potential slight variations in processing time

Comparative Analysis

- Significantly faster than manual data entry

- More consistent than human-based extraction

- Scalable solution for bulk receipt processing

Accuracy

-compared the model extracted data with few randomly selected images data.

The model has performed well in extraction of data from the images.

The model understands the company name, address, date and total.

Out of all 625 data only one failed to extract the date. due to the date placement in the bill.

Accuracy : 0.99

Future Improvement Areas

- Reduce average processing time