TECHNOLOGY HACKATHON

Gen Al-Based Email Classification and OCR

Team Name: Ctrl-Alt-Generate

Problem Statement

The Commercial Bank Lending Service teams receive high volumes of diverse email requests, often with attachments, requiring manual triage by "Gatekeepers" to classify and extract key information. This process is time-consuming, inefficient, and prone to errors, especially when the volume is large.

Solution

Developing a Gen Al-powered solution that automates email classification, context-based data extraction, and service request routing, improving efficiency, accuracy and turnaround time by reducing manual effort and ensuring precise request routing.

Key capabilities



Email Classification

Automatically classify emails into predefined request types and subtypes based on the sender's intent using advanced NLP models.



Data Extraction

Extract key data points (e.g., deal name, amount, expiration date) from both email content and attachments, tailored to each request type.



Prioritization based Extraction

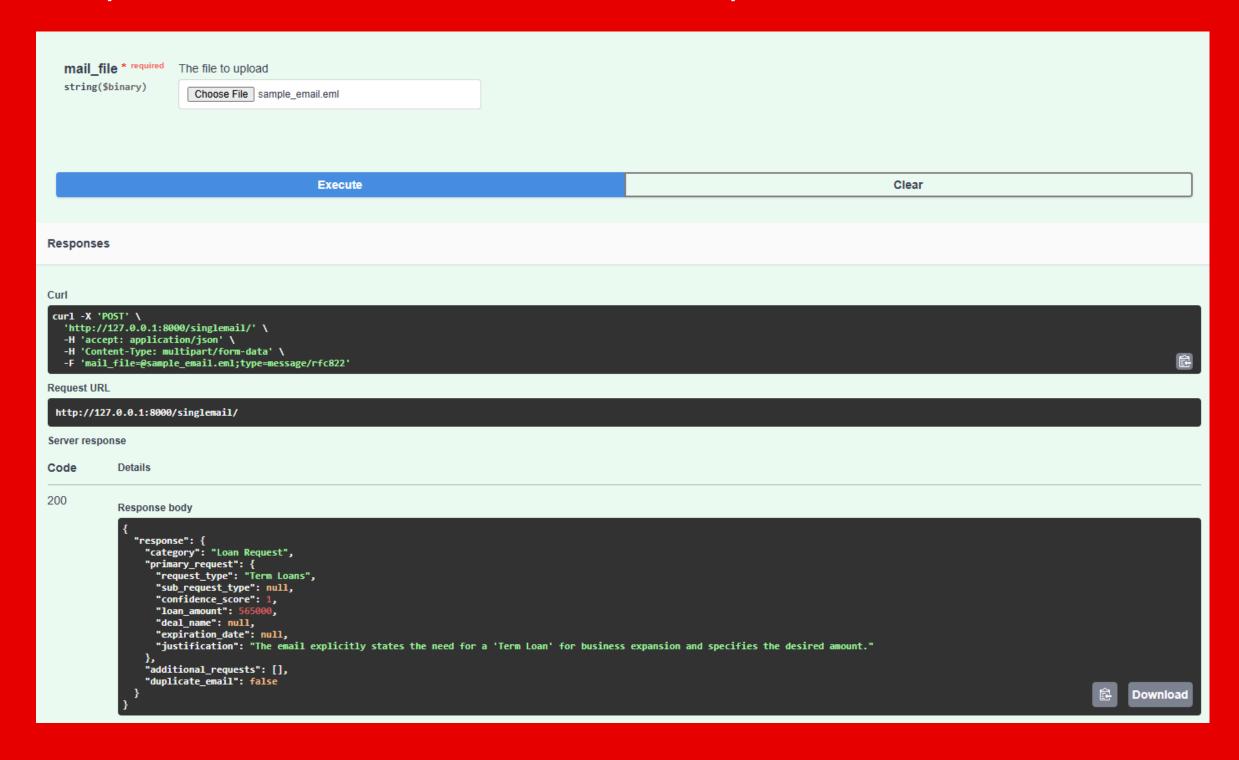
Implement customizable rules to prioritize email content for request identification & extract data, such as numerical fields from attachments.

Implementation



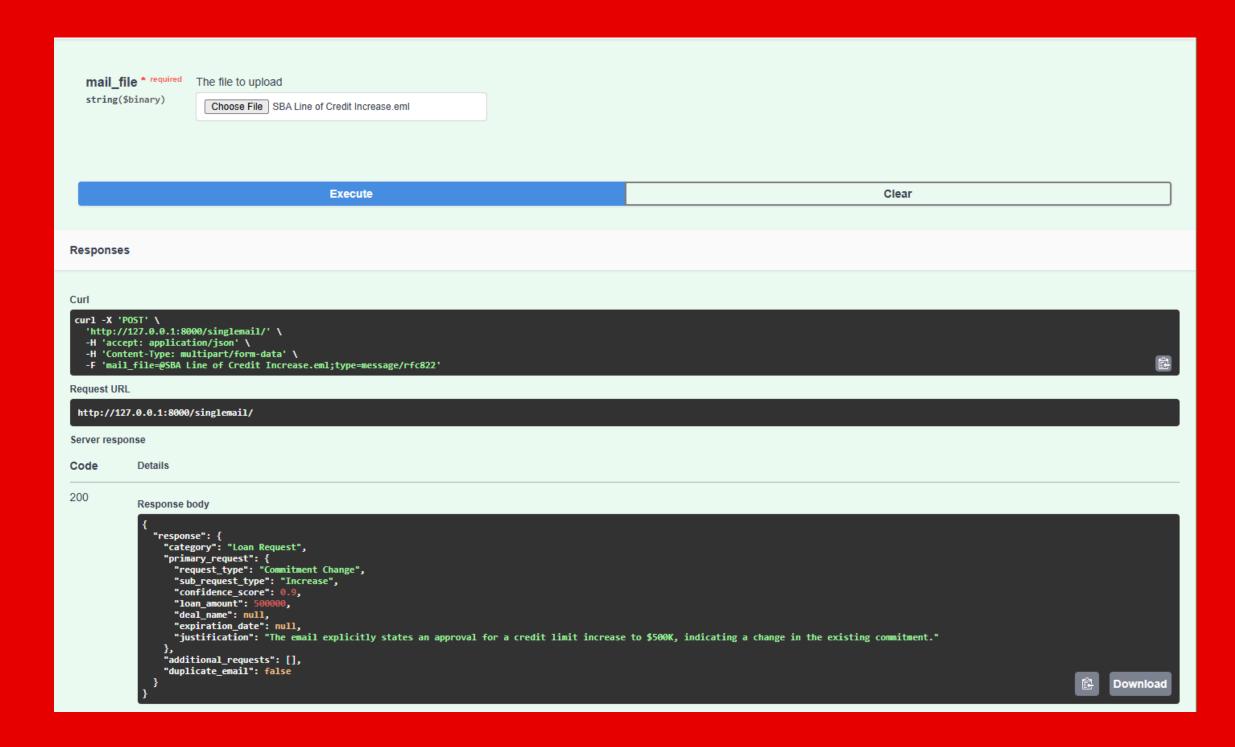
Results

A sample email input about a term Loan service request



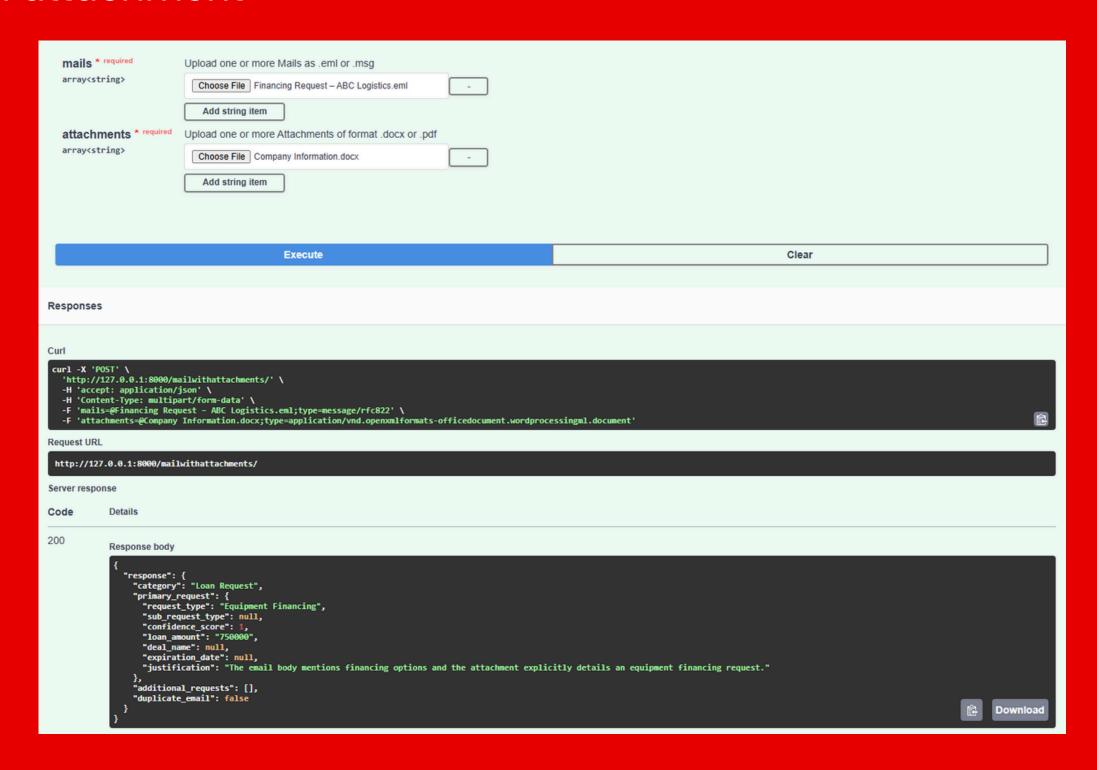
Results

An email chain



Results

An email with an attachment



Thankayou

Team members

- Ahana Vishwakarma
- Nithin Raj K M
- Rutu Shrirame
- Saikishore Kothakota
- Sri Hari Krishnan