Team 8 - Aziksa Project Vision Statement

Project Title: Aziksa LLM AI Driven Writing Assistant

Team Name: Triple A

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WHAT IS THE PROBLEM?

English is becoming the global language of business. More and more multinational companies are mandating English as the common corporate language. This is done to facilitate communication and performance across geographically diverse functions and business endeavors. Thus, it is extremely important to be able to speak fluent business language in English. However, there exists a gap in the language fluency level for non native English speaking corporate employees to perform their duties. These employees are being contracted on the expectation that they will be able to perform their duties in their native tongue and English. Creating a tool will assist them whilst they reach fluency is a market necessity at the moment.

WHY IS THE PROBLEM IMPORTANT?

About 1.5 billion individuals worldwide spoke English as a second language or native language in 2023 (https://www.statista.com/statistics/266808/the-most-spoken-languages-worldwide/).

1.08 billion people are non native speakers. However, the general consensus is that it takes between five to seven years to achieve advanced fluency, and the business world expects advanced fluency from their employees, especially in business and social contexts. Thus, the gap in language fluency level for employees is a massive roadblock for workforce career growth.

HOW IS THE PROBLEM SOLVED TODAY?

Currently, the gap in language fluency is being solved in a piecewise approach: using a combination of translation (Google Translate/DeepL), peer help, email template, asking

supervisor to review communication, and language training. Vendors are introducing AI driven writing apps which are still in very early development phases.

OUTCOME OF THE PROJECT

Leverage LLM to develop a writing assistant for non native English language speaking corporate workforce in the business context for a given role such as customer service representative, Sales executive and Technology leader to name a few. This tool will be available in a separate app from Aziksa's current app. Users will be able to prompt the LLM to assist them in writing professional emails by adjusting parameters, choosing tone, etc to fit the specific business context they are in.

Figma

Powerpoint

TECHNOLOGIES TO BE USED

- Google cloud
- LLM

Infrastructure:

- Prompt Engineering
- Colab, Cloud storage,
 Vertex workbench/AI

Design: Languages/Libraries:

- Python, Pandas, Numpy, Matplotlib, scikit-learn
- SQL, RDBMS
- React Native, HTML5, CSS, Javascript

POTENTIAL MILESTONES TO ACHIEVE THE FINAL GOALS

First Quarter Milestones:

- LLM MVP
- Fine Tune LLM for data privacy and personalized feedback
- Create Model Endpoint for writing application
- Deploy Model to Production

Second Quarter Milestones:

- Design writing assistance app
- Develop the app
- Integrate with LLM
- Integrate with Email tools
- Write Documentation
- Go live

PROCESS MODEL

- Agile development methodology
- Daily scrum check-ins
- Weekly meetings with mentors from Aziksa
- Communication via Slack
- Version control and task tracking Github