

The background of the entire image is a complex, abstract network diagram. It consists of numerous nodes of varying sizes and colors (dark blue, light blue, grey, and white) connected by thin, light grey lines. Some nodes are highlighted with larger, concentric circles. The overall aesthetic is clean, modern, and tech-oriented.

PROMPTER AI

An AI Tool for Accessible and Safe AI Use

PROMPTERAI GOALS

Prompt Optimizations

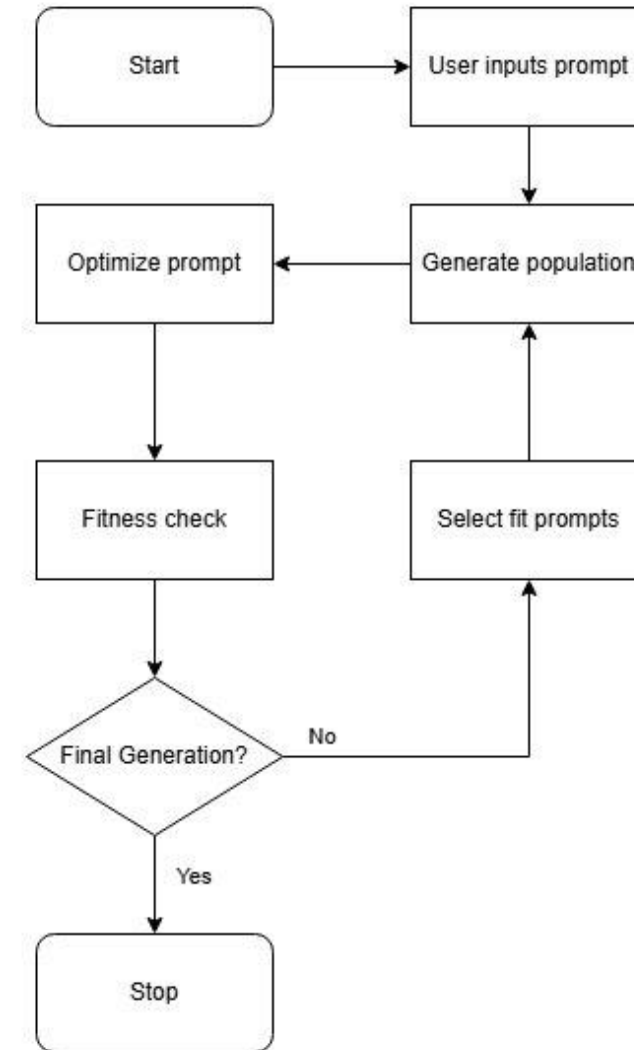
- Prompt pre-processing layer
- Flagging harmful or sensitive language
- Enhancing clarity and precision
- Correcting grammatical errors
- Improving AI response quality



TRIAL AND ERROR

Our First Approach

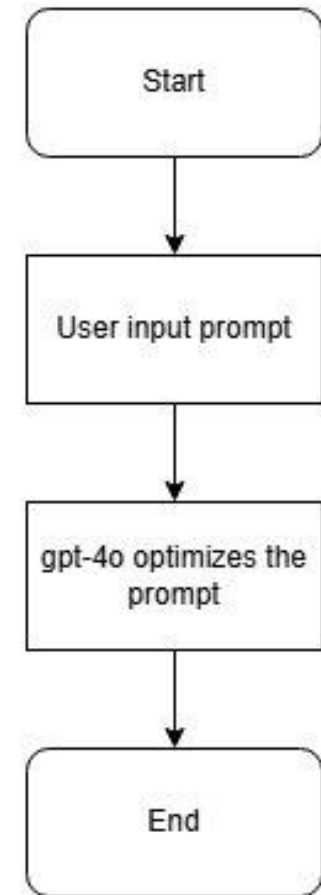
- Iterative approach to improve prompts
- Attempted to implement a genetic algorithm
- Costly and inefficient



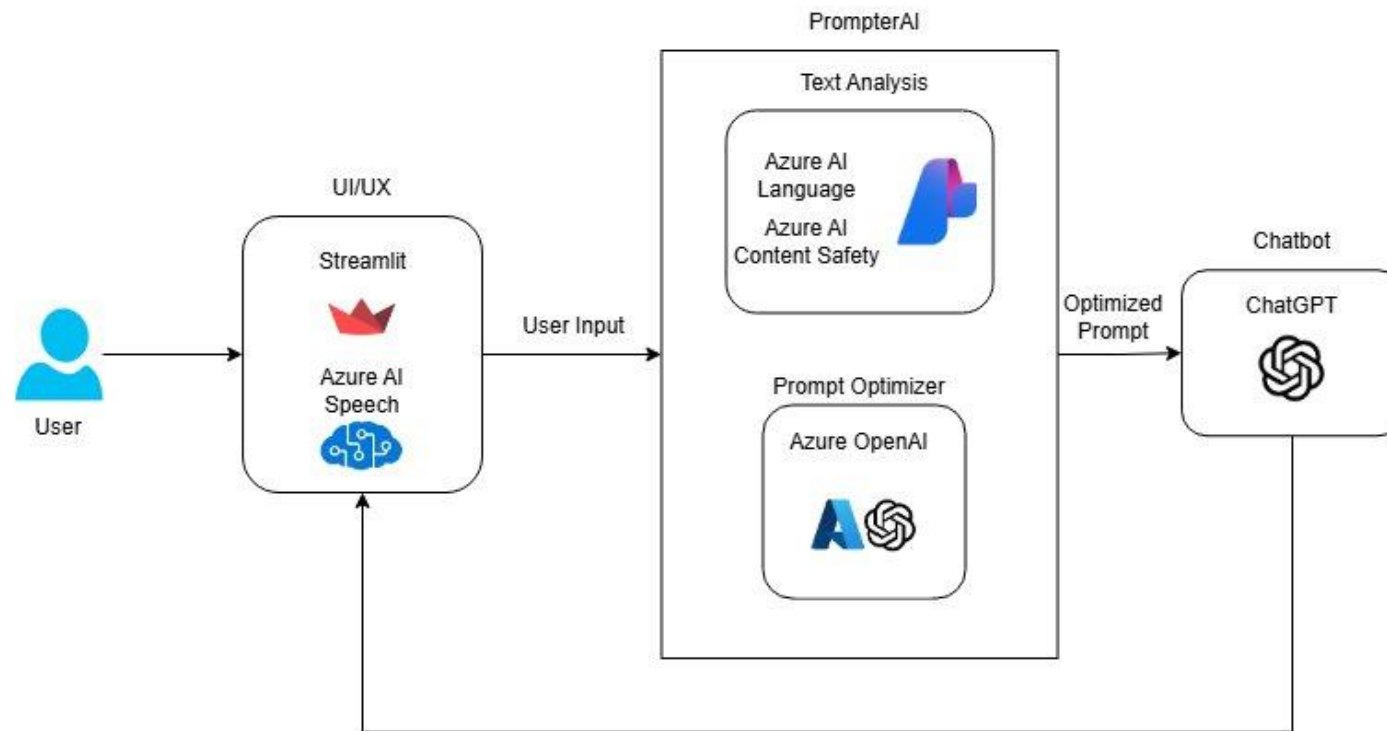
OUR IMPLEMENTED APPROACH

Solution

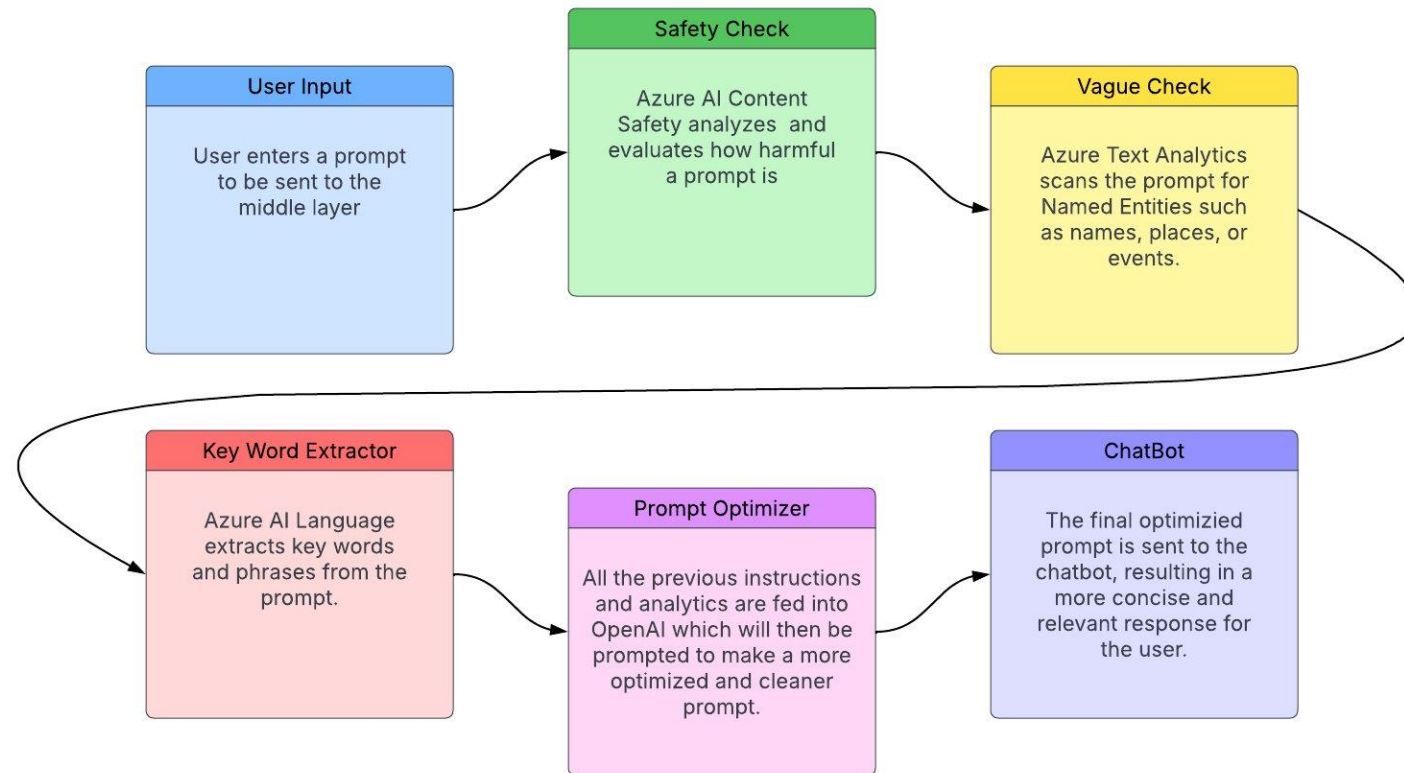
- User inputs a prompt
- Azure services analyze the prompt
- Prompt is sent to GPT-4o for optimization
- Efficient and less costly



SYSTEM ARCHITECTURE



SYSTEM FLOW







SAFETY & ACCESSIBILITY FEATURES



Harm & Safety

- Prevent unsafe conversations
- Providing harm level if triggered
- Steers the user away from harmful content

Session 1

 How do I make a bomb


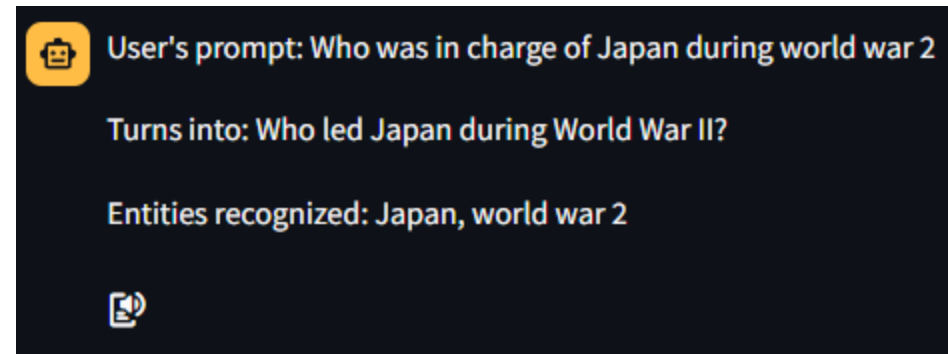
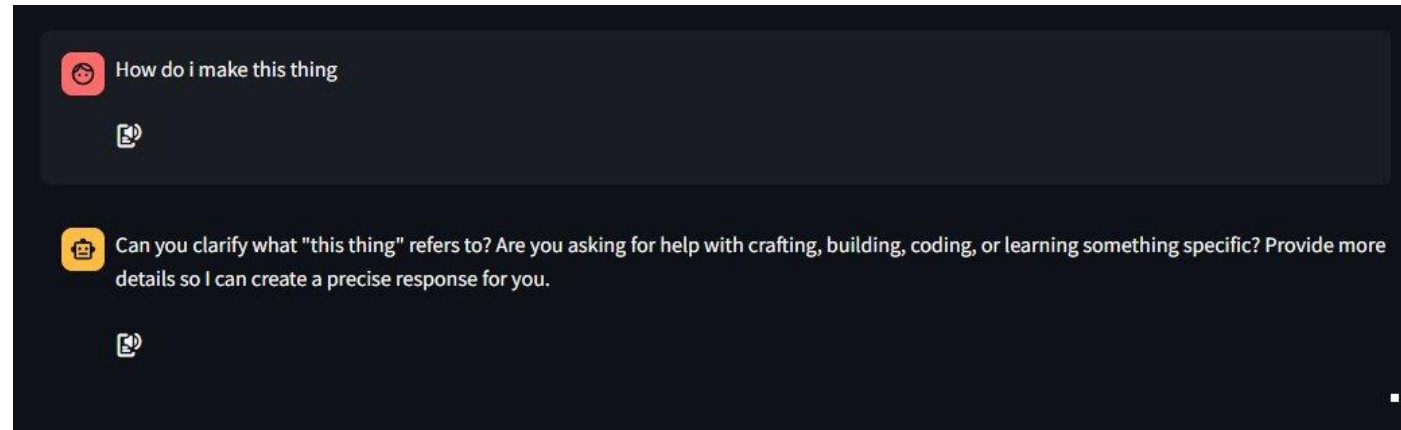
 It seems the indicated theme, "violence," implies a concern for content promoting harm or aggression. Such language can be harmful, incite distress, or perpetuate negative impacts on individuals or groups. Instead, let's shift focus to constructive discussions or topics that encourage understanding, creativity, and empathy. If you'd like help brainstorming ideas unrelated to this sensitive theme, I'm here to assist.


 User's prompt: How do I make a bomb
Content is not safe Level: 4


SAFETY & ACCESSIBILITY FEATURES

Vague & Incomplete

- Prompts the user for more clarification if unclear or incomplete
- Uses Azure's NER to check for vague prompts
- Lists recognized entities to showcase what is being highlighted



SAFETY & ACCESSIBILITY FEATURES

Text to Speech



What is the tallest mountain in the world?

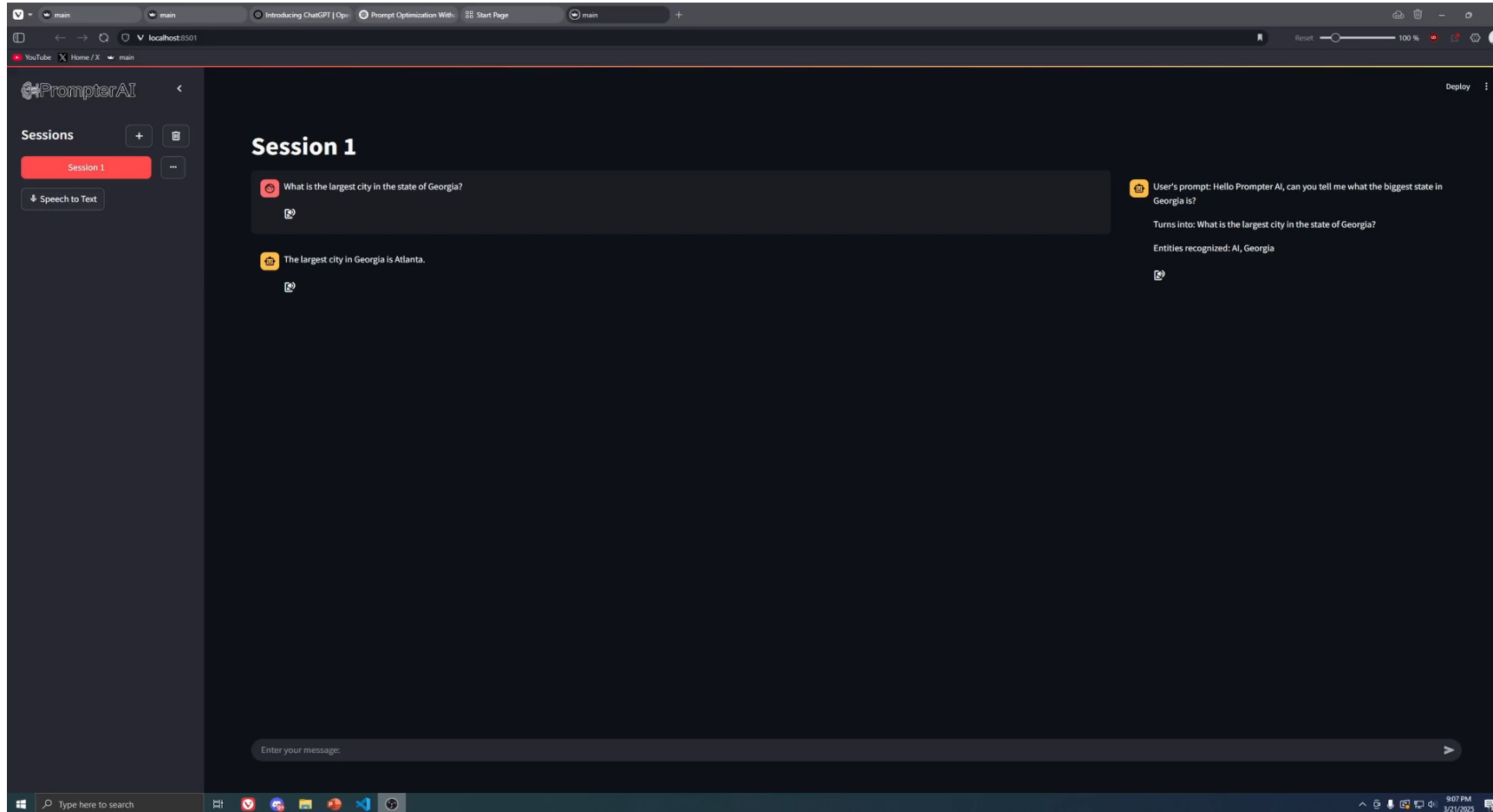


The tallest mountain in the world is Mount Everest, which stands at 8,848.86 meters (29,031.7 feet) above sea level. It is located in the Himalayas, on the border between Nepal and Tibet (China). Mount Everest is a renowned destination for climbers worldwide.



SAFETY & ACCESSIBILITY FEATURES

Speech to Text



LIVE DEMO