

Project Title: Aspiration Vision.

Problem Statement:

In our increasingly globalized world, professionals, travelers, and everyday users frequently face language challenges. This app will help break down these barriers by offering on-demand, real-time translation without disrupting the user's workflow.

Project Objectives:

- Develop an application that captures on-screen text in real time, translates it seamlessly, and displays the output.
- Enhance productivity and accessibility for users encountering language barriers.

Goals and Expected Outcomes:

- **Goals:**
 - Provide a reliable tool for real-time text capture and translation.
 - Ensure the application is user-friendly and accessible on both Windows and Linux platforms.
- **Expected Outcomes:**
 - A fully functional desktop app with integrated OCR and translation services.
 - Clear, intuitive UI/UX that supports rapid comprehension and language accessibility.

Target Audience and Stakeholders:

- **Target Audience:**
 - Multilingual professionals, researchers, international travelers, and students.
- **Stakeholders:**
 - End-users seeking enhanced language accessibility.
 - Potential partners (e.g., API providers) and communities interested in open-source accessibility tools.

Project Constraints:

- Technical complexity (real-time OCR performance, API integration, Overlay creation).
- Cross-platform compatibility (Windows and major Linux distributions).
- Managing latency to ensure near-instant translations.