

Breaking the Language Barrier

Developing Culturally-Adapted AI Healthcare Solutions for Africa's Multilingual Context

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SECTION 1: THE PROBLEM

Over 2,000 African languages exist, yet most AI health tools only speak English and require internet access that 70% of rural communities lack. Millions are excluded from basic medical support.

SECTION 2: OUR SOLUTION

MedNeura: An AI doctor that speaks your language, even over a basic phone call. Voice consultations in native languages. Works offline via phone calls. Culturally adapted for Africa.

When people are understood, care starts sooner.

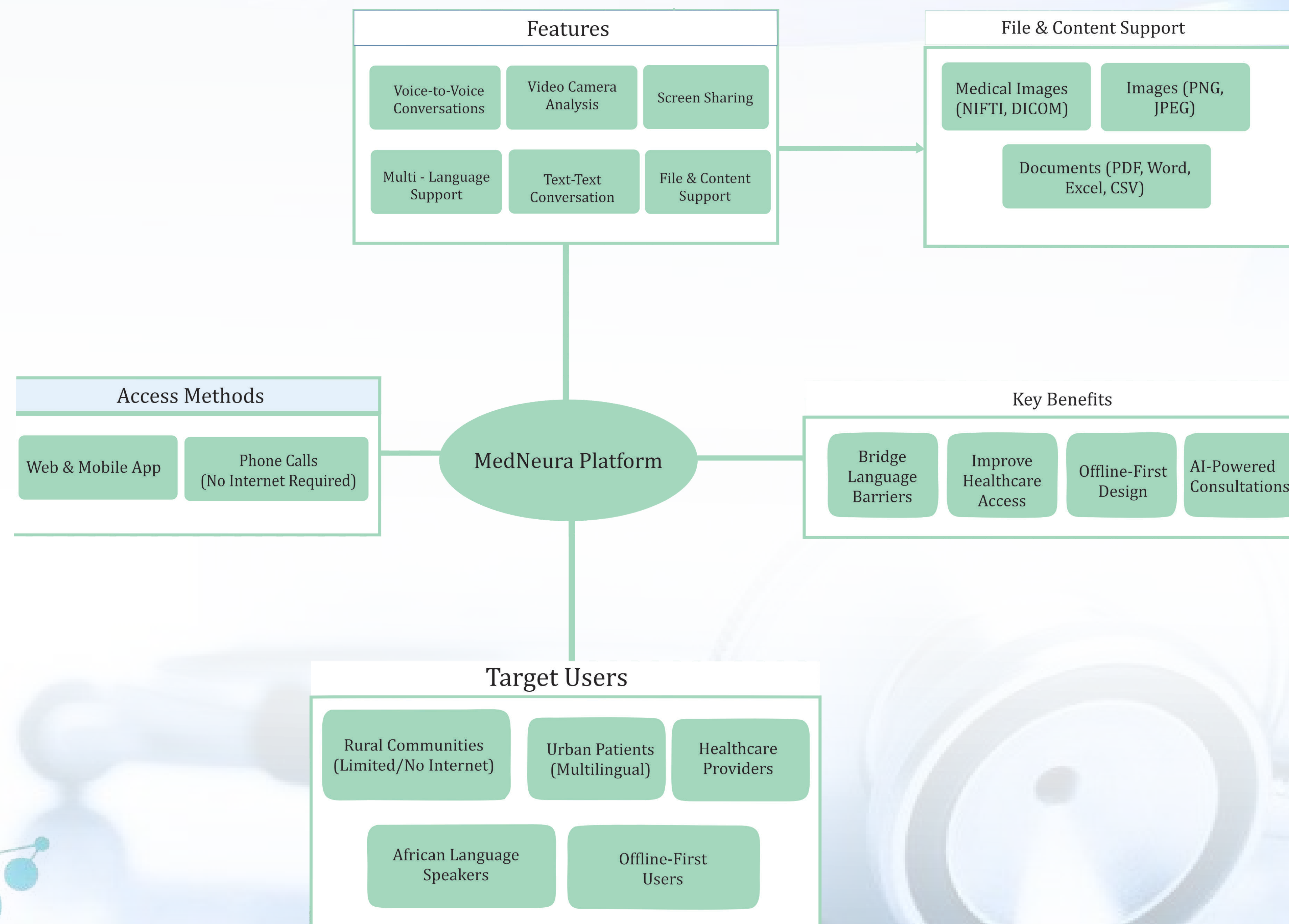


Figure 1. Overall architecture of the MedNeura platform

SECTION 3: PLATFORM (Center)

MedNeura Platform System overview showing multilingual voice, file, and offline access features

SECTION 4: RESULTS

We developed working prototypes for voice-based consultations and real-time speech-to-speech conversations in Nigerian languages.

Internal beta testing shows:

- Fast multilingual interaction
- Better patient-provider communication
- Positive user feedback.

SECTION 5: VISION

MedNeura is more than a translation engine. It's a blueprint for equitable healthcare AI.

By blending fine-tuned language models, speech technology, and offline-first design, it can bring medical access to millions who've never had it before.

We envision a future where language is no longer a barrier to life-saving care.

SECTION 6: NEXT STEPS

We're seeking partners to pilot and adapt **MedNeura** across diverse African regions. If this resonates, let us explore pilots, operational fit, or simple ways to bring this to communities together.

Multi African languages | Offline access | Culturally adapted | 70% rural reach

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