

MedOffLine: offline Medical Assistant

Empowering communities with offline medical guidance.

MedOffLine⁺
AI ASSISTANT



The problem

- Many regions in Latin America face significant challenges in accessing health.
- Limited connectivity.
- Geographical barriers.
- Shortage of medical services.



The Solution

MedOffLine, an app powered by the Meta Llama 3.2 (1B/3B) model that allows:

- 100% offline solution.
- Light.
- Culturally inclusive.
- For Android.



Description

MedOffLine is an AI Assistant focused on delivering:

- First aid guides.
- Preliminary diagnoses based on symptoms.
- Information on basic medications (dosage, side effects).
- Guidance on when and where to seek medical help.
- Educational material on prevention of common diseases.





MedOffline v0.0.1 ✨

MedOffline es un asistente de IA sin conexión que proporciona orientación básica de primeros auxilios en comunidades con acceso limitado (o nulo) a Internet, ofreciendo:

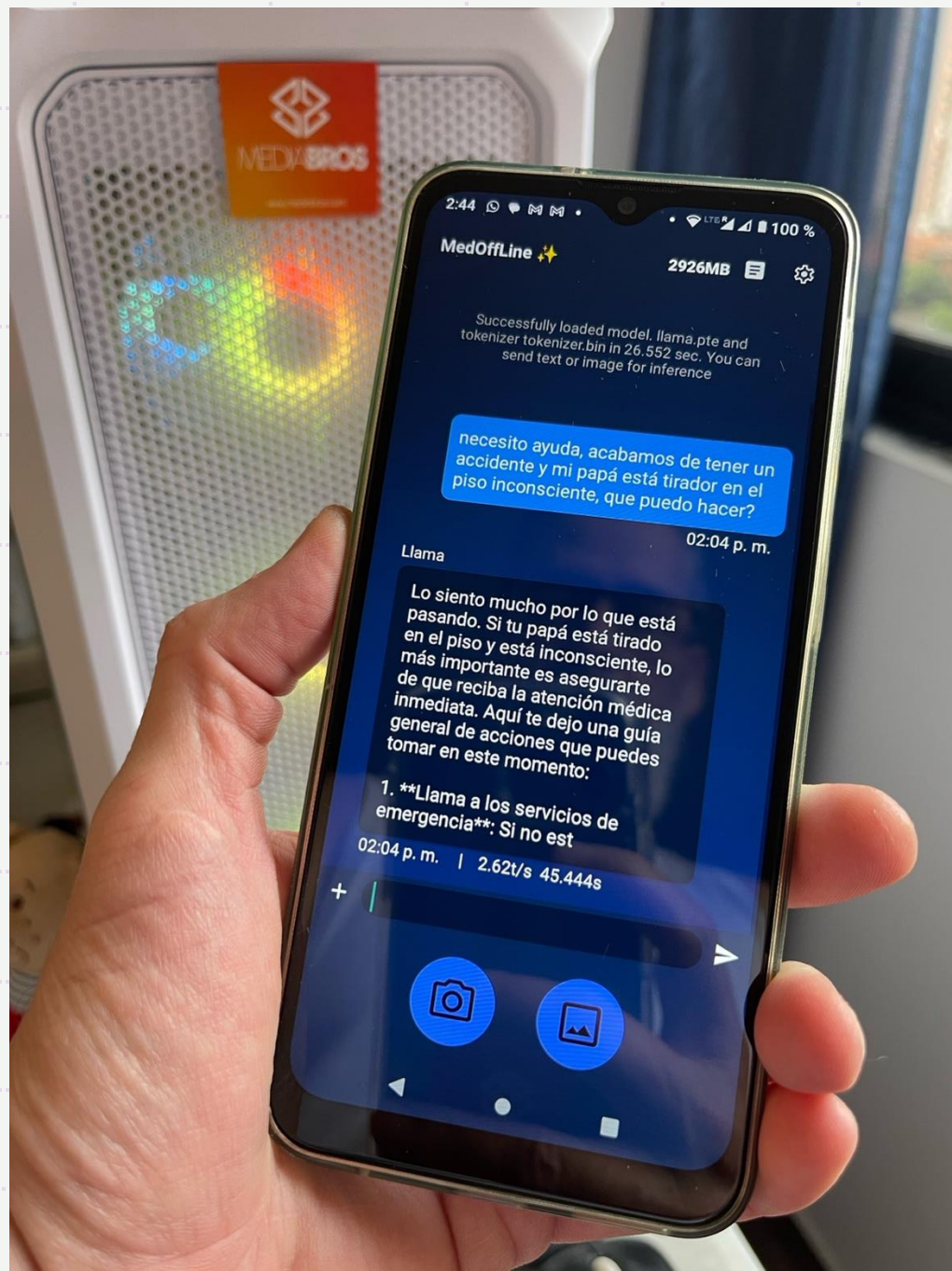
- Guías de primeros auxilios.
- Diagnósticos preliminares basados en síntomas.
- Información sobre medicamentos básicos (dosis, efectos secundarios).
- Orientación sobre cuándo y dónde buscar asistencia médica.
- Materiales educativos sobre la prevención de enfermedades comunes.

Haga clic en el botón **Descargar APK** para instalar la aplicación en su smartphone Android.

Descargar APK

English

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Direct and Measurable Impact

- Number of people served.
- Consultations made.
- Critical cases identified.
- Reduction of identified preventable health complications.
- Reduction of preventable health complications.



High viability

Efficient use of technology:

- Lightweight models like Llama 3.2 work offline on mobile devices.

Scalability:

- Expansion into countries with similar challenges.
- It doesn't require sophisticated hardware or expensive infrastructure.
- It can be funded through partnerships with NGOs, local governments, or public health initiatives.



Technology Used

- Meta AI models:
 - Llama 3.2 1B/3B
 - Llama 3.1 70B
- Pytorch Executorch
- Java, Python, Streamlit
- Kaggle, HuggingFace
- Github



Competitor Analysis

Competitor	Strengths	Weaknesses	MedOffLine Differentiation
Ada Health	Advanced AI diagnostics	Requires connection	Works offline and is culturally adaptable
Babylon Health	Global Telemedicine	Limited to markets of first world countries	Focused on rural communities
Medical ID	Offline Emergency Information	No medical guidance	Diagnostics and interactive education

Market Scope



1. **TAM:** 120 million people in rural areas of Latin America.
2. **SAM:** 20 million potential users in Colombia and Venezuela in the first 3 years.

Revenue Streams

The use for the general public is based on a Freemium model (free basic access).

It is possible in the future to raise capital through:

- User subscription for access to Premium features (developed in the short term).
- Government subsidies.
- Grants.
- Contributions from companies.



Future Perspectives

Growth:

- Expansion to other regions with similar challenges.

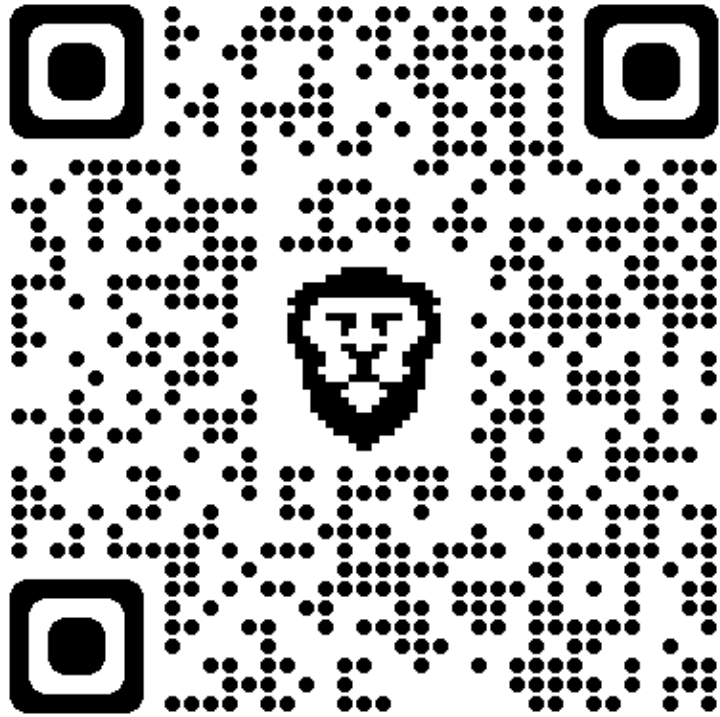
Premium Features:

- User registration and profile.
- Online connection with large AI models.
- Access to the AI model with all the knowledge areas described in the solution.
- Reminder to take medication.
- Vision for recognition of health conditions.
- Wizard who is asking symptoms or situation.
- Healthy advice for diseases such as hypertension, addictions, etc.
- iOS version.



<https://medoffline.streamlit.app>

Contact



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