

TEAM: SILVERARROWS



MediGramin



Bridging the Health Gap for
Remote Villagers



OUR MISSION

Excellence in Patient Care:

To revolutionize rural healthcare delivery by creating an intelligent, interconnected network that bridges the gap between central hospitals and village dispensaries.



The Challenge

- Limited healthcare access in rural villages
- Inefficient distribution of medical supplies
- Delayed medical interventions for serious conditions
- Underutilization of limited healthcare resources
- Lack of specialist access for rural populations





KEY FEATURES



- Mobile Health Unit Routing
- Chatbot
- Inventory Management
- Teleconsultation



The Solution

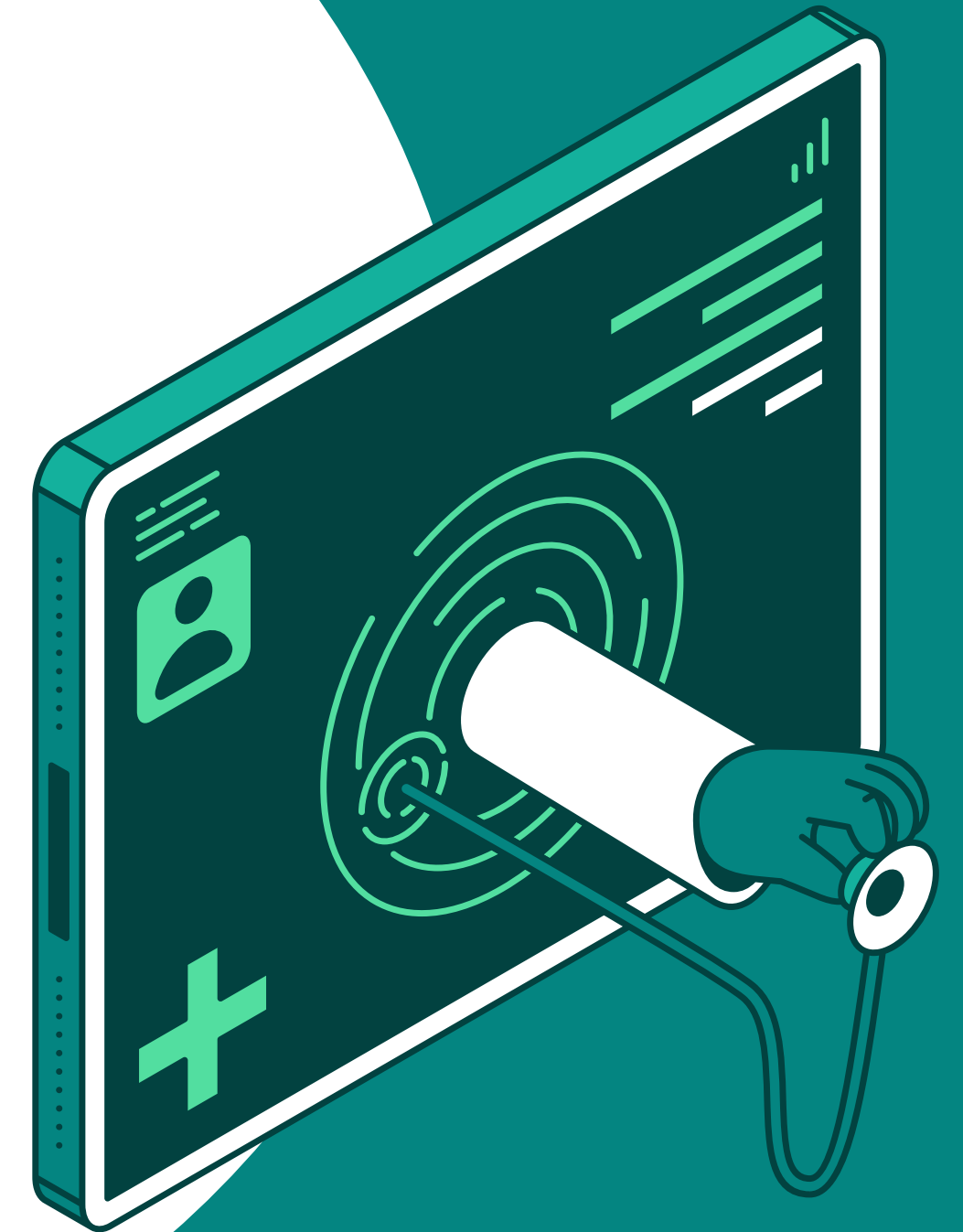


Our integrated healthcare management system connects central hospitals to village dispensaries using aiXplain Gemini 2.0 Flash, a powerful Large Language Model (LLM) specializing in text generation. This comprehensive solution addresses critical healthcare challenges in rural areas through an intelligent network powered by advanced AI language technology.

KEY FUNCTIONS OF AIXPLAIN GEMINI 2.0 FLASH AS A TEXT GENERATION LLM

Medical Aid Chatbot

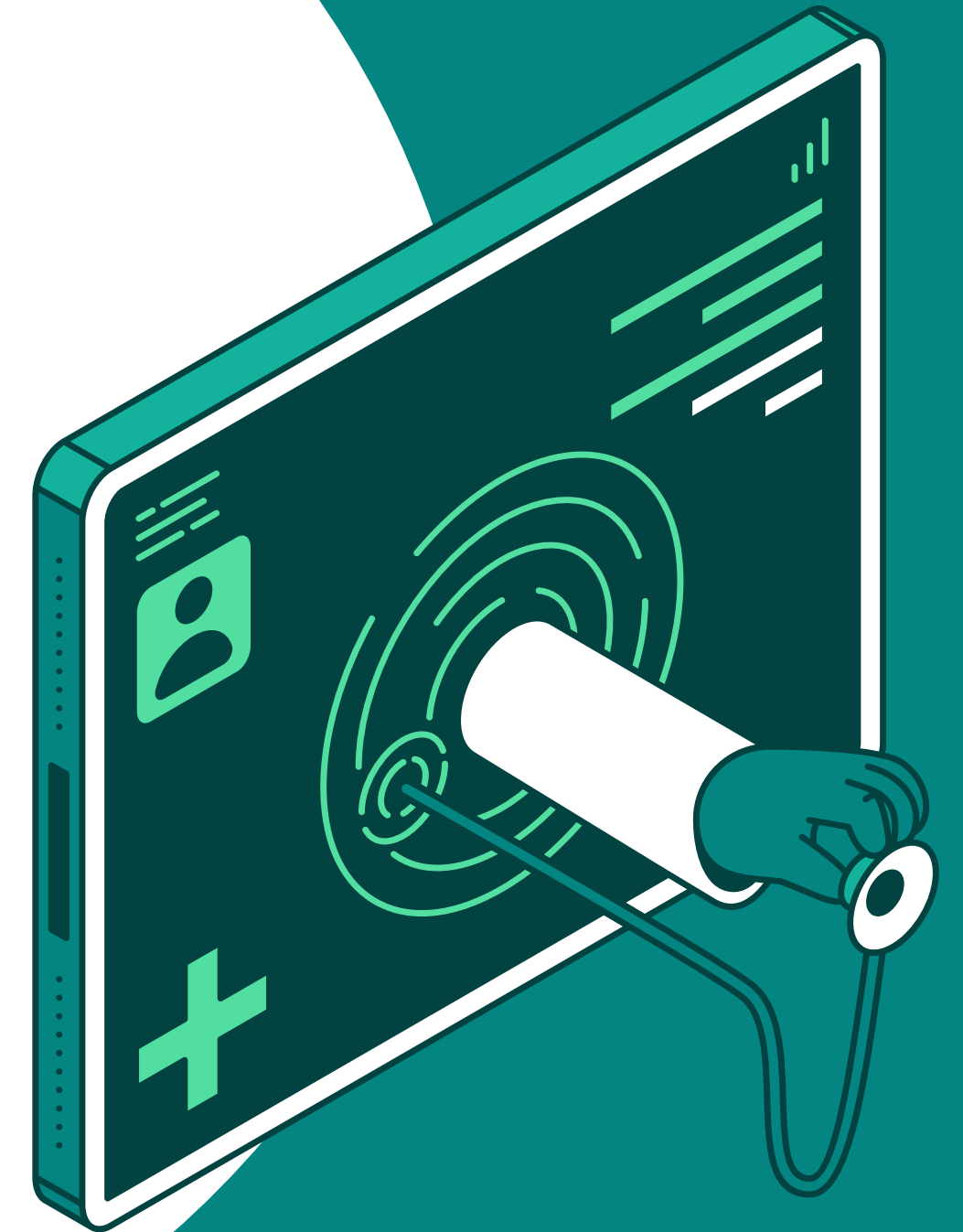
The aiXplain Gemini 2.0 Flash LLM powers a conversational chatbot that provides villagers with immediate medical guidance. When users describe symptoms through text or voice, the model generates personalized home remedy instructions, first aid procedures, and determines if cases require escalation to professional care. This 24/7 accessible service delivers healthcare information in local languages, reducing unnecessary travel to central facilities while providing reliable medical support directly to villagers' devices.



KEY FUNCTIONS OF AIXPLAIN GEMINI 2.0 FLASH AS A TEXT GENERATION LLM

Mobile Health Unit Routing Based on Patient Severity

The aiXplain Gemini 2.0 Flash LLM analyzes text-based patient reports from village dispensaries to generate optimized routing plans for mobile health units. The model processes symptom descriptions, medical histories, and dispensary requests to prioritize village visits based on calculated severity scores. It produces clear routing documents for drivers and medical staff, ensuring the most urgent cases receive priority attention while maximizing resource efficiency for the central hospital's mobile units.



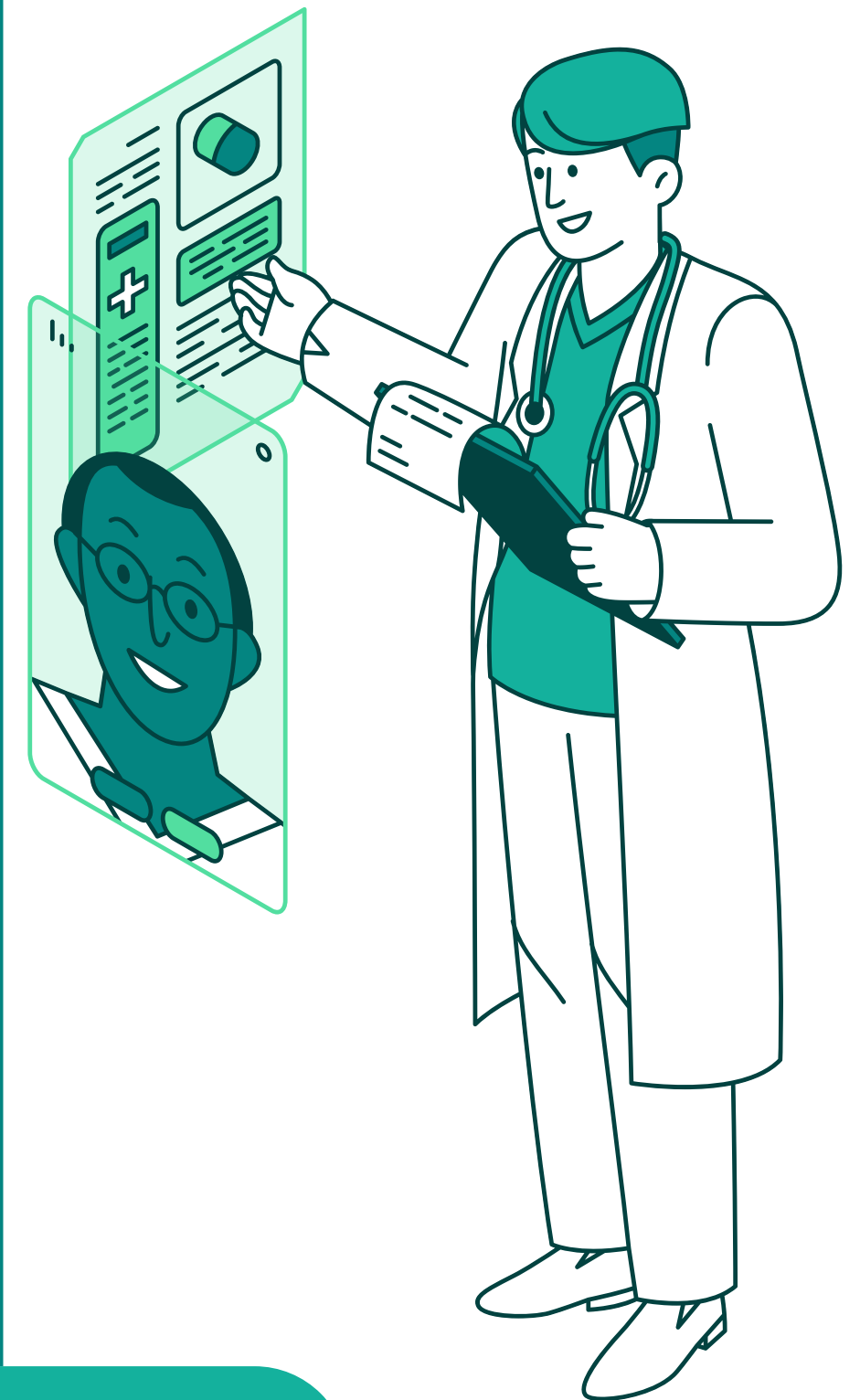
WHAT IT DOES

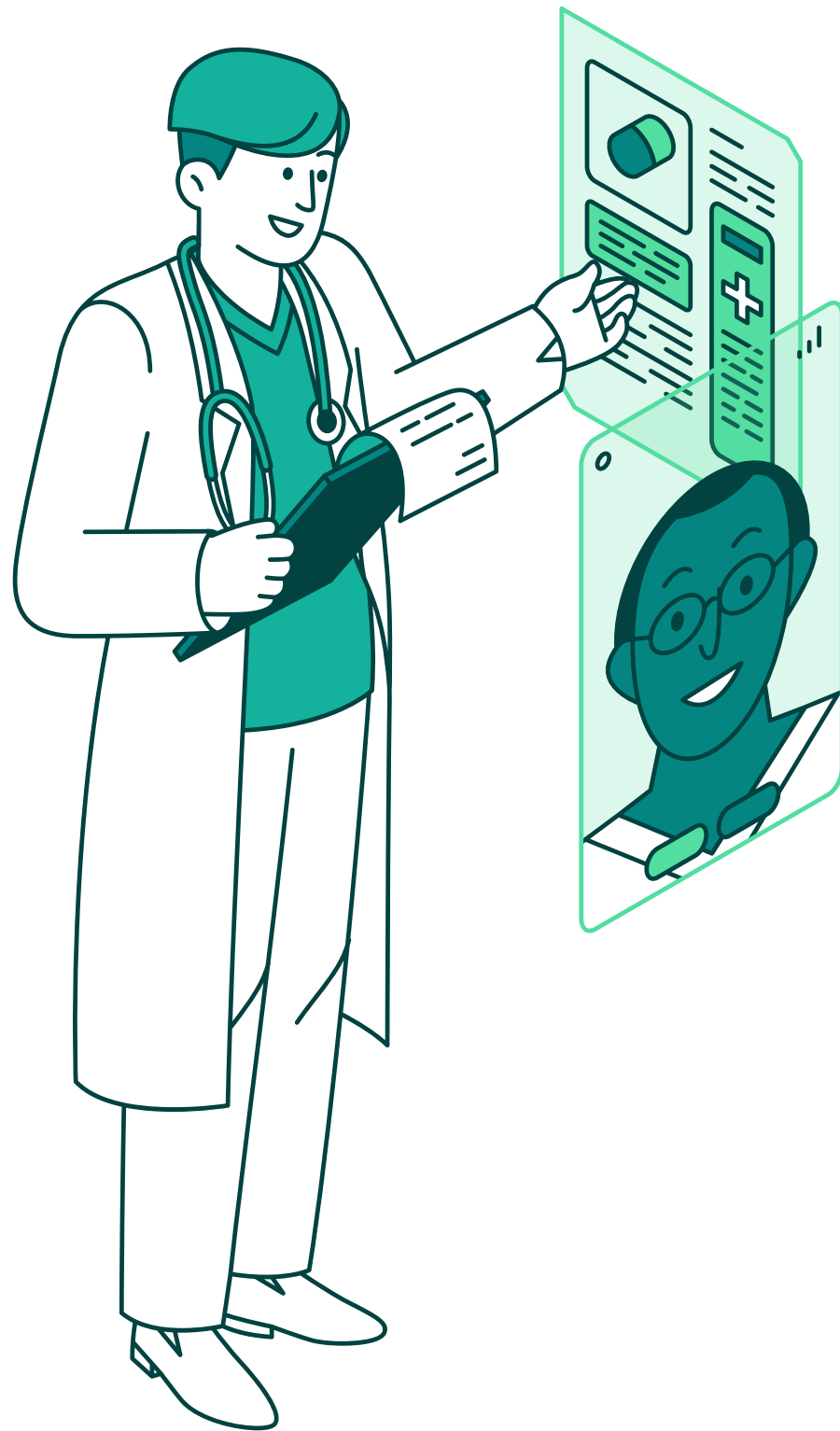
AI-Powered Inventory Management

- Tracks perishable medicines in real-time
- Predicts demand patterns
- Ensures critical medications are always available

Auto-Scheduling Orders

- Connects village dispensaries to nearest medical supplies
- Prioritizes orders based on urgency and demand
- Optimizes delivery routes
- Ensures timely restocking of essential medicines
- Responds dynamically to emerging health needs
- Maximizes coverage of underserved areas





WHAT IT DOES

Medical-Aid Chatbot

- Provides 24/7 preliminary health guidance
- Offers home remedies for common conditions
- Delivers first aid instructions
- Guides patients to appropriate level of care
- Reduces unnecessary travel to central hospitals

Telemedicine & Remote Consultations

- Schedules specialist appointments for villagers
- Tracks appointment status
- Provides secure Zoom links for teleconsultation
- Brings specialist expertise to remote locations

BENEFITS

- **For Patients:** Better access to care, reduced travel, faster response
- **For Healthcare Workers:** Optimized workloads, better resource allocation
- **For Administrators:** Data-driven decisions, reduced waste, improved outcomes
- **For Communities:** Stronger local healthcare infrastructure



THANKYOU

