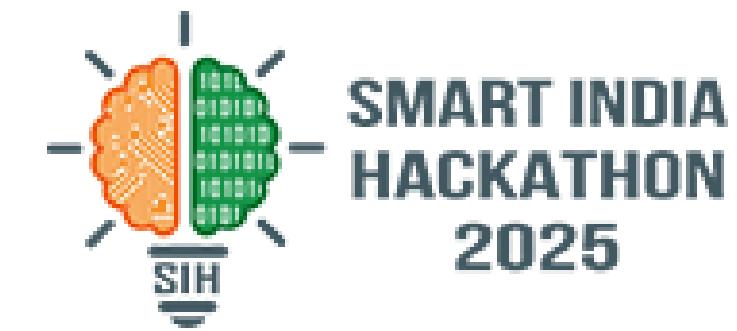


SMART INDIA HACKATHON 2025

- **Problem Statement ID – SIH25049**
- **Problem Statement Title- AI-Driven Public Health Chatbot for Disease Awareness**
- **Theme- MedTech/ BioTech/ HealthTech**
- **PS Category- Software/Hardware**
- **Team ID- 59677**
- **Team Name- MoSathi**



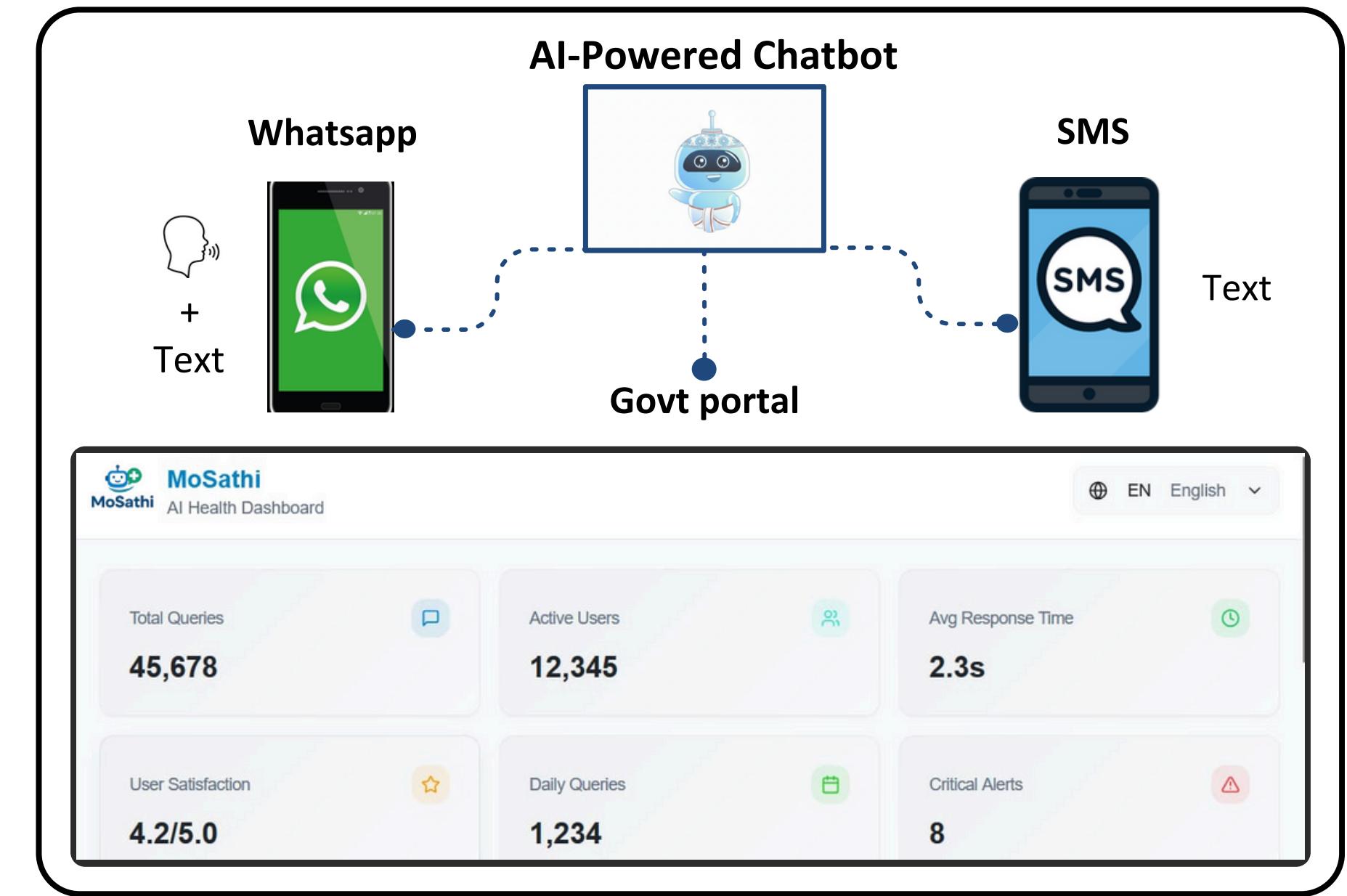
MoSwaasthya Sathi



Features

- Automatic broadcast of detected disease outbreaks through WhatsApp & SMS.
- Dashboard for **Usage analytics** and Symptoms/Disease mapping for Outbreak detection.
- The system supports **text and voice** health queries in multiple Indic languages, and **responds back** with both **text and voice** messages in the input language itself.

Proposed Solution:

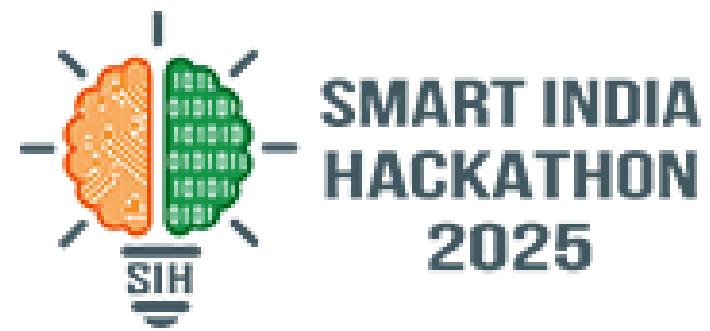


Novelty

- Personalized health guidance + Trusted & Verifiable Sources
- Companion Dashboard for Govt. Officials: Usage Analysis and Hotspot Identifier
- Inclusive access via WhatsApp and SMS for offline communication.



Technical Approach



Proposed Frontend:

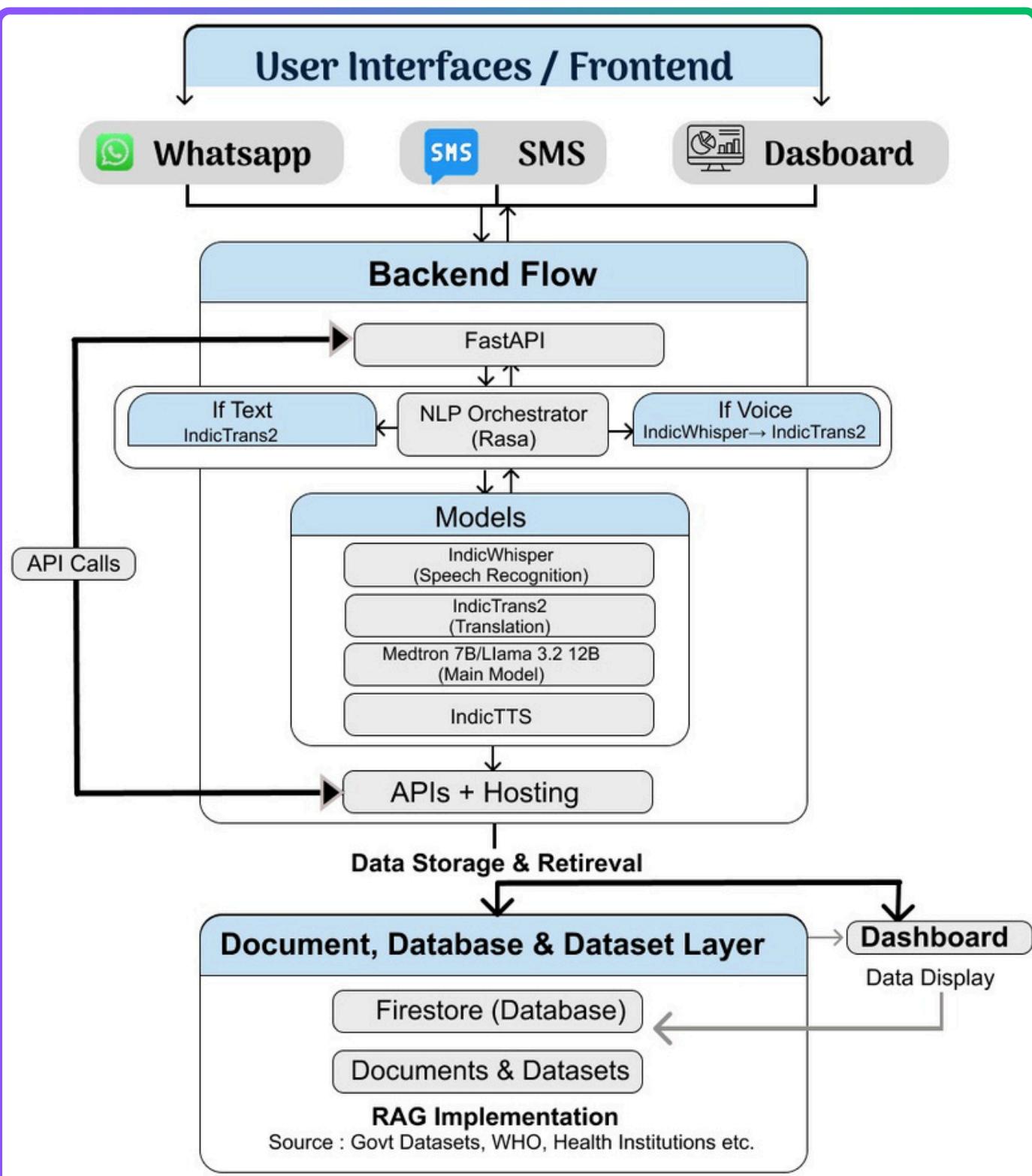
Multilingual Whatsapp chat support

Web Portal for Usage analytics

Emergency broadcast + Offline through SMS

Tech Stack: N, Python, Node.js, React, Firebase, Gupshup, FastAPI

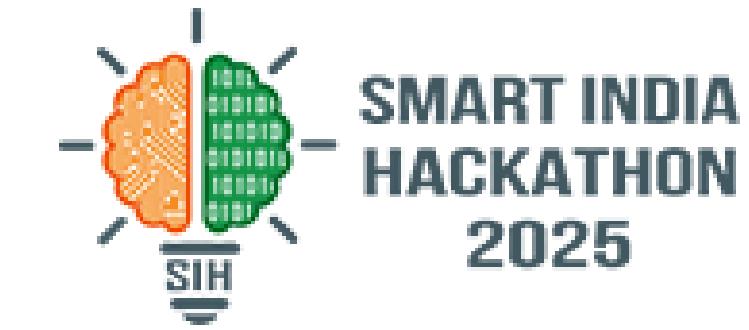
Backend Flow:





MoSathi

Feasibility and Viability



Language Barrier and illiteracy

Multilingual User Interface & Audio based conversion

Odisha Observes a Huge Rural-Urban Literacy Gap: NAS-2021

Viability

Scalable Architecture

Multi Dialect

Rural-friendly

Low cost solution

Open Source Backend

Usage of existing infrastructure

Lack of Rural Health Data

Usage data analytics on web portal

Disease outbreak hot spot mapping

Limited health awareness with poor internet access in rural areas

Regular Awareness SMS and offline chatbot

Over 1,900 villages in Odisha lack mobile connectivity:

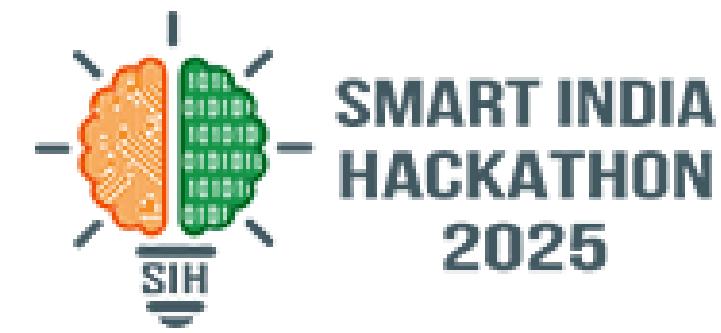
MoS

Lack of awareness, poor enforcement of curbs in rural areas leading to more deaths, allege residents



MoSathi

Impact and Benefits



Impact



Rural disease awareness



Early detection & prevention



Govt real-time insights



Voice + text communication



SMS alerts & outreach

Benefits



Better health literacy, reduced misinformation



Reduced healthcare burden by preventive care



Data-driven decision-making for health policies



Multi-lingual access for diverse people

Video Link:

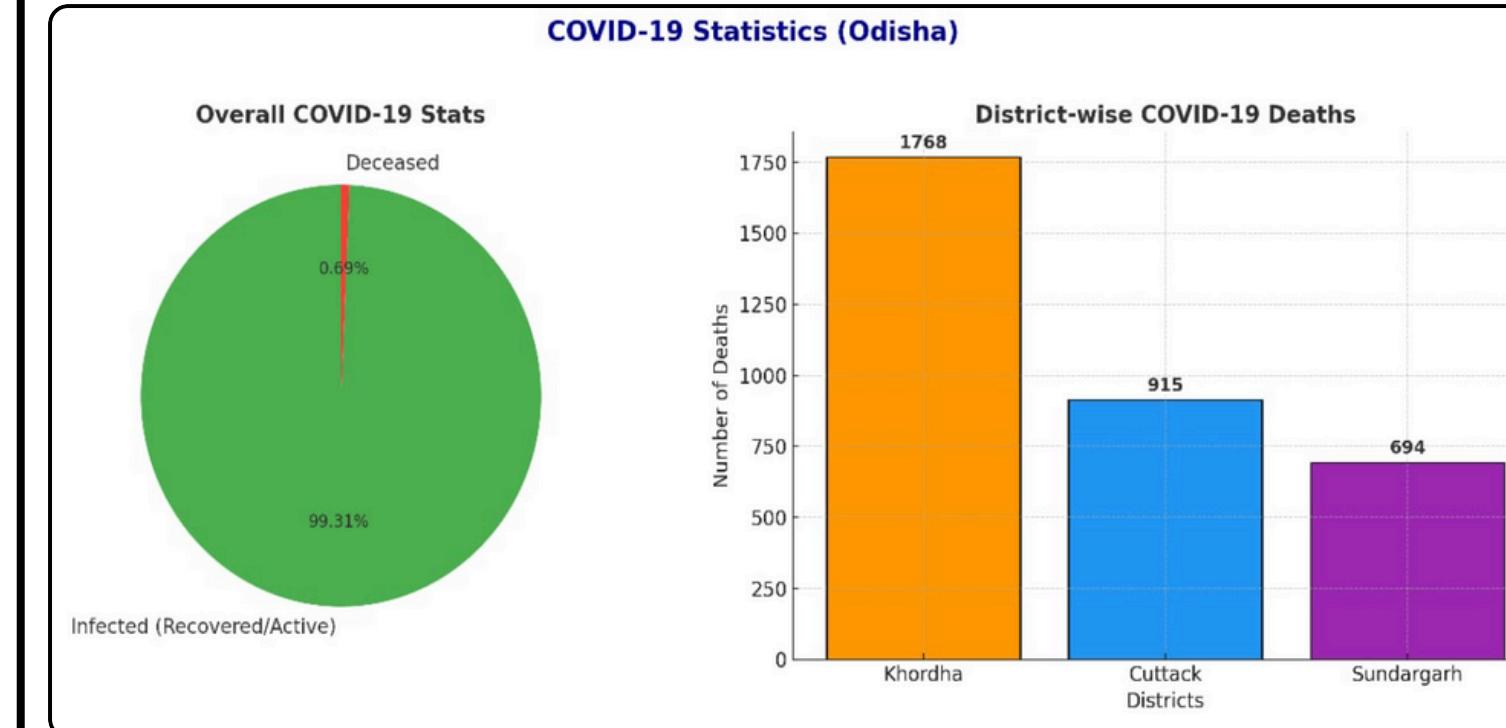
A Dig Into Past

COVID-19



What went wrong?

People were not aware of the symptoms and precautions of the disease, that led to large no. of cases



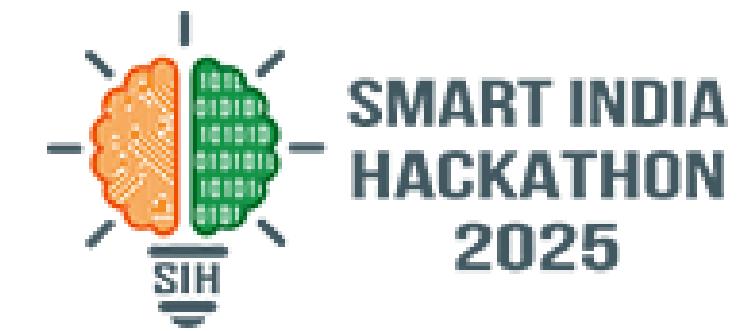
Future Scenario

How MoSwasthya Sathi can help?

- Spread Awareness about disease(Symptoms, Precautions)
- Provide people with knowledge(Gov. Guidelines, Norms)
- Provide govt with all data about most common searches and other details like hotspots of diseases



RESEARCH AND REFERENCES



Meta Using WhatsApp and Llama AI to Power E-Governance in India

ROHIT SINGH on APRIL 15, 2025 3 MINUTE READ

f X in G M

WORLD NEWS

How AI is helping some small-scale farmers weather a changing climate

AI chatbot to help citizens avail fire services, says CM Mohan Charn Manjhi

This was announced by Chief Minister Mohan Charan Majhi during the passing out parade of the 61st batch of fire fighters here on Saturday.

Rath Yatra 2025: Odisha Police Launches Whatsapp Chatbot For Smooth Navigation

By OMMCOM NEWS - June 26, 2025 - In Odisha

Microsoft Introduces 'Jugalbandi' - An AI Chatbot for Rural India

Odisha govt launches 'Ama Shasana' to make governance people-centric

BY: Rashmi Ranjan PUBLISHED: 26 Aug 2025, 02:26 PM IST • LAST UPDATE: 26 Aug 2025, 02:26 PM IST

In a bid to make governance more people-oriented, Odisha Chief Minister Mohan Charan Majhi on Tuesday launched a new initiative called 'Ama Shasana' at Lok Seva Bhawan in Bhubaneswar.

When Mani Devi, an Accredited Social Health Activist (ASHA) in rural Rajasthan, saw the underweight infant, she knew something was wrong—but not how serious it might be, or what advice to give.

So she reached for her phone and opened WhatsApp: In Hindi, she typed a question to a new tool called ASHABot: *What's the ideal weight for a baby this age?*

The chatbot—trained in Hindi, English, and a hybrid known as Hinglish—responded within seconds: a baby that age should weigh around 4 to 5 kilograms. This one weighed less.

India's AI Push: Microsoft launches 'Jugalbandi', AI-based multilingual chatbot for rural India

Mehul Reuben Das • May 24, 2023, 17:16:24 IST



References

1. [Meta using Whatsapp and Llama Ai to power E-governance in India](#)
2. [CM launches Whatsapp chatbot to make services more accessible](#)
3. [AI chatbot to help citizens avail fire services](#)
4. [One Dead, 400 Affected By Diarrhea In Odisha's Jajpur](#)
5. [Student dies of snakebite in Gajapati after family opts for traditional healing over timely medical care](#)

Research

1. WHO reports on rural health awareness.
2. Govt. of India digital health initiatives (Ayushman Bharat, NDHM).
3. Research on AI chatbots in healthcare (WHO, PubMed).
4. WhatsApp penetration statistics in rural India.