

Param2: The Architect of Indian AI Sovereignty

Satoshi A BharatGen Initiative

Param2

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17 Billion Parameters

22 Languages

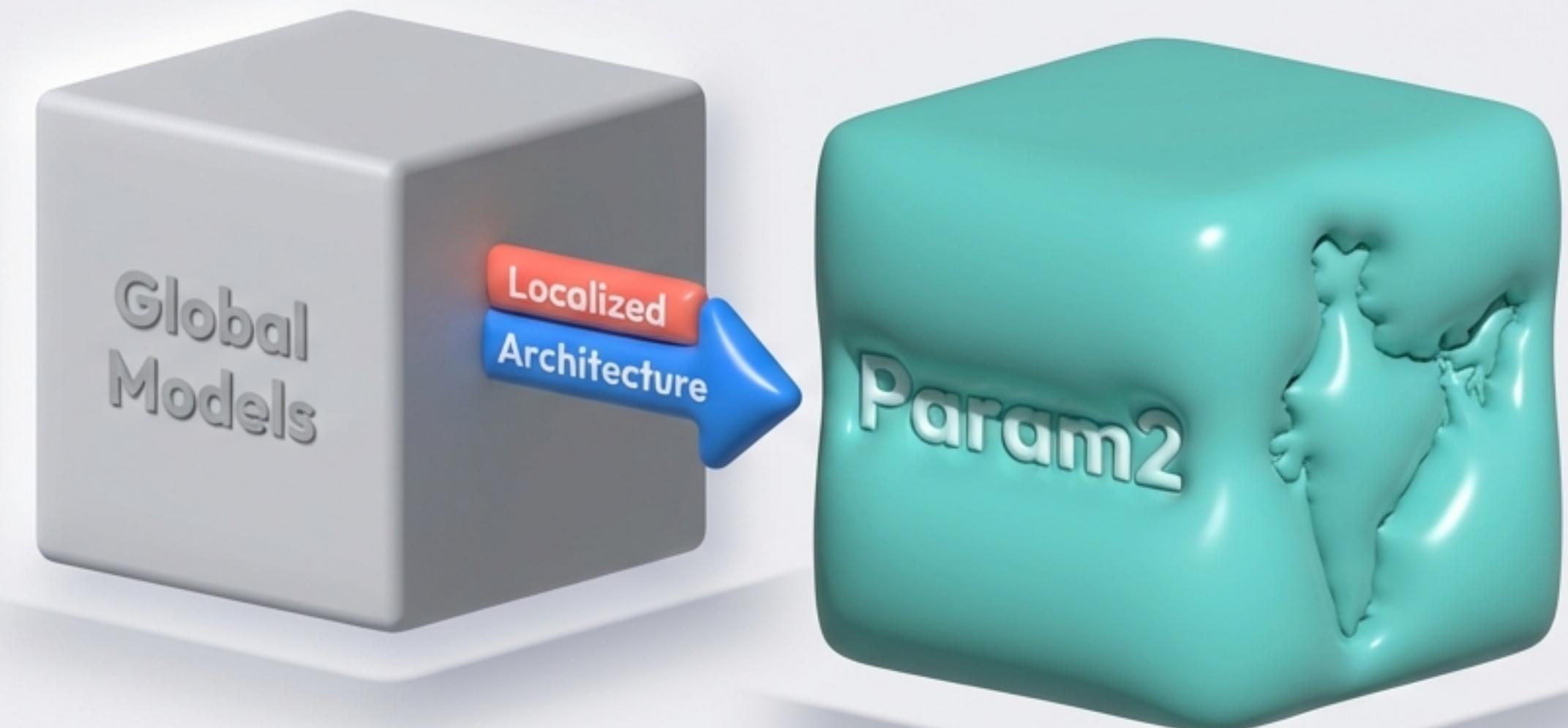
1 Sovereign Vision



Moving Beyond Generic Intelligence to Sovereign Utility

Global Large Language Models (LLMs) often miss the cultural and linguistic nuance of the Indian subcontinent.

Param2 is not just an LLM; it is critical infrastructure designed to be inclusive, locally relevant, and architected specifically for India's 1.4 billion population.



Built for Bharat, From Bharat

Param2's intelligence is rooted in **data localization**. Unlike models trained on western-centric web scrapes, Param2 is **trained entirely on Indian data**.

This ensures the model captures the rhythm, tone, and cultural context of everyday communication across the subcontinent.





Mastering the Linguistic Mosaic

Support for 22 languages goes beyond vocabulary. Param2 understands the subtle variations in dialect—distinguishing the specific cadence of Rajasthani dialects or the distinct differences between Hindi spoken in Delhi versus Patna.

The Human Loop Behind the Digital Brain

A massive collaborative effort drives our data advantage. BharatGen partnered with local publishers, radio stations, and volunteers across the country to gather authentic text and speech samples.



Radio Stations



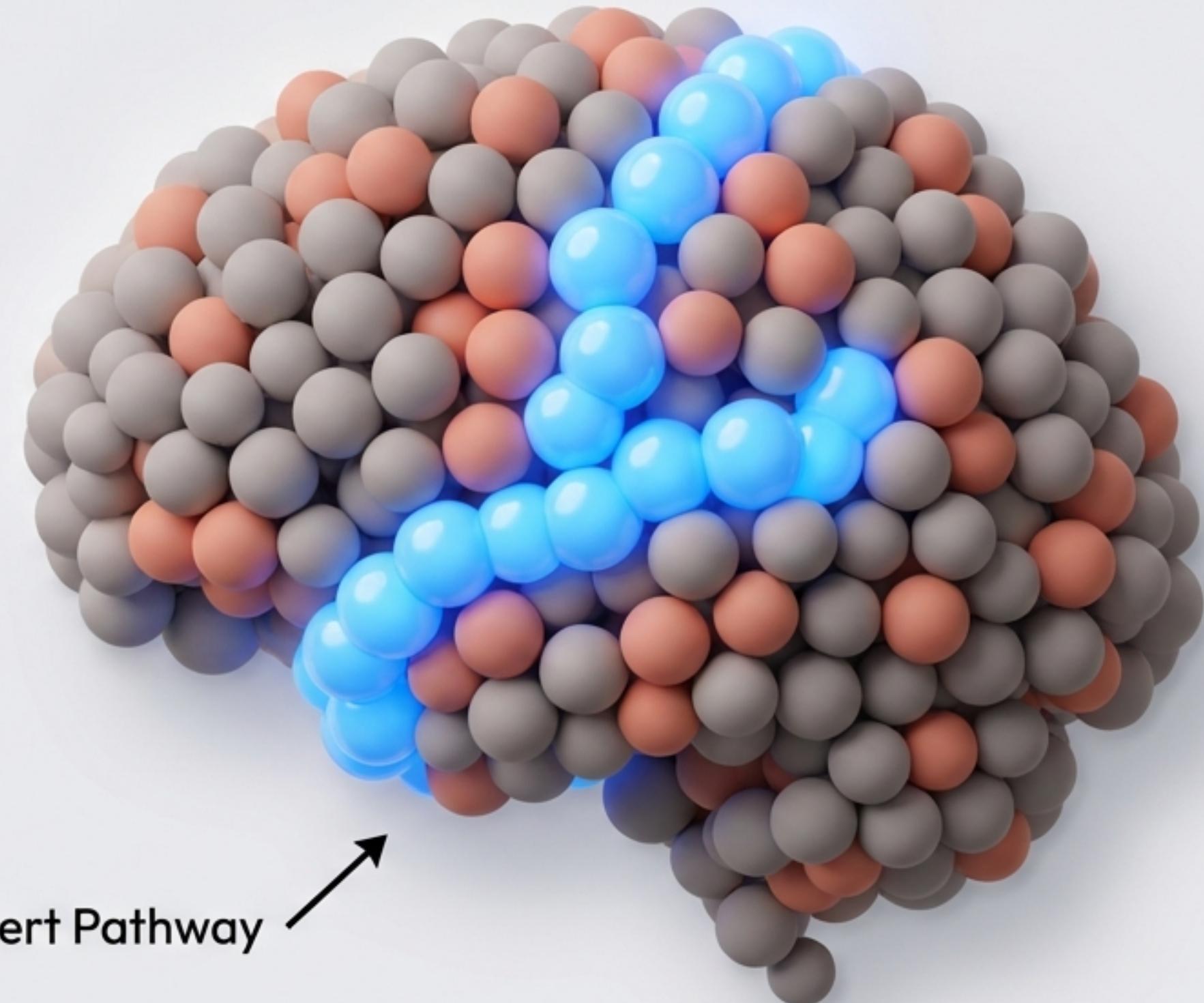
Local Publishers



Volunteers

Engineering Efficiency: The Mixture-of-Experts Architecture

Param2 utilizes a Mixture-of-Experts (MoE) design. Instead of activating the entire neural network for every query, it selectively activates only the relevant "experts" (sub-networks) required for the task. This allows for complex reasoning without computational bloat.



High Performance Meets Economic Viability



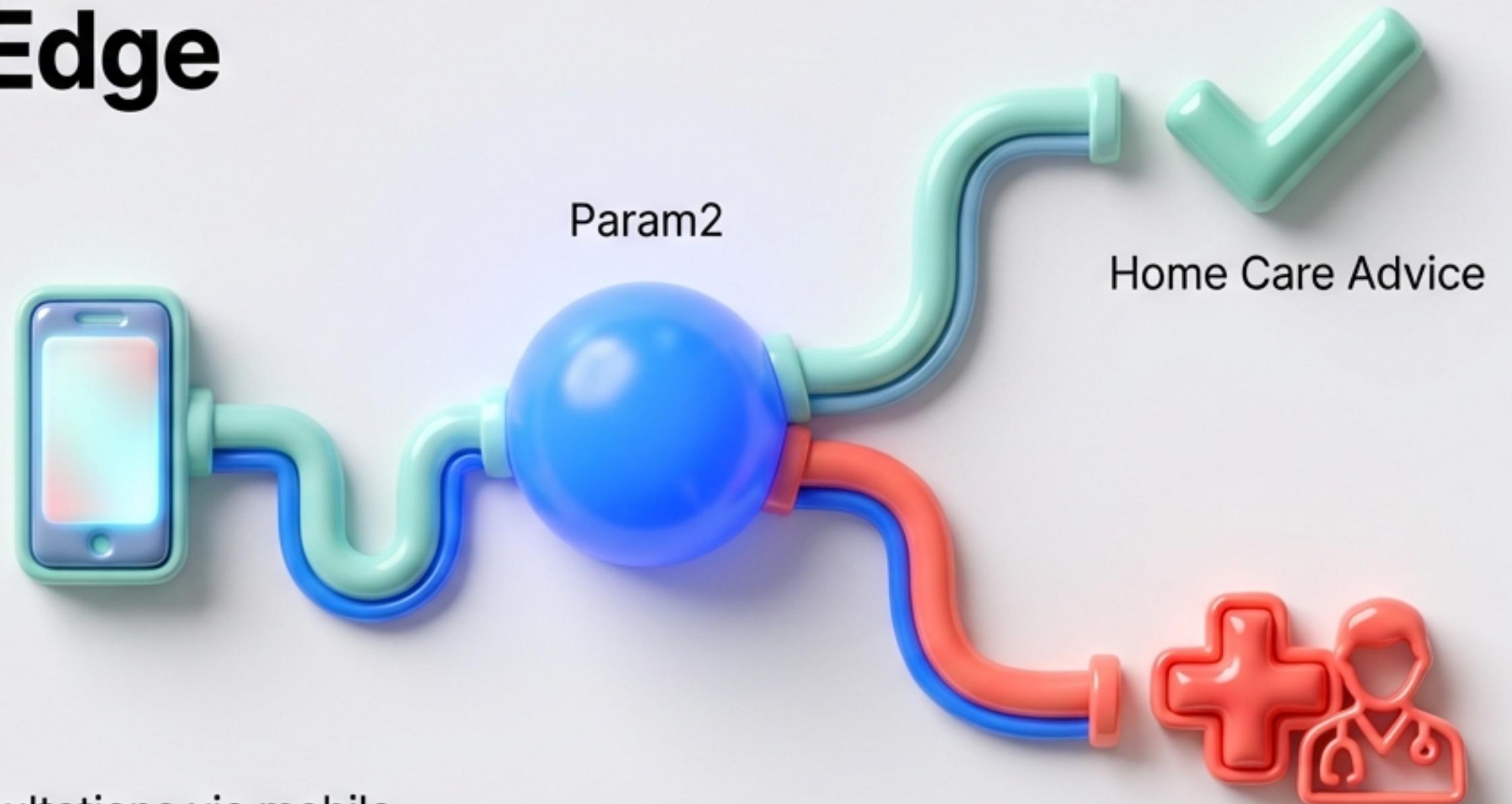
Param2 balances depth of knowledge with deployment reality. The MoE architecture keeps inference costs manageable, a critical requirement for scalable deployment across India's diverse and cost-sensitive ecosystems.

The Distance Gap in Rural Healthcare

In vast sections of rural India, professional medical advice is geographically distant. Reaching a doctor often involves significant travel costs and effort. The challenge is not just medical; it is logistical.



The Hybrid Health Model: Triage at the Edge



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Param2 powers AI-enabled consultations via mobile devices. The system addresses common symptoms and recommends next steps, filtering cases so human doctors can focus on complex needs.

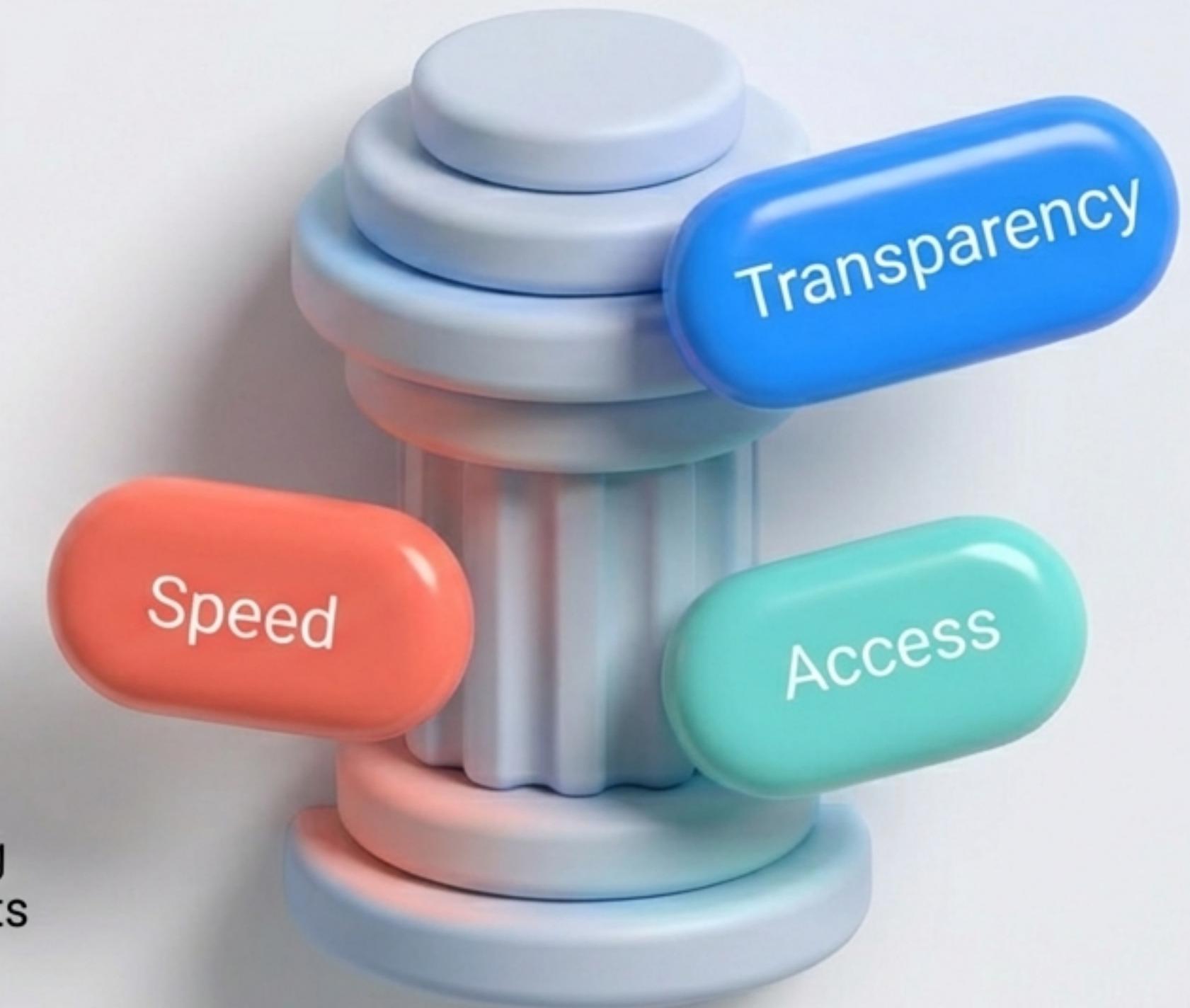
Connect to Specialist



Fintech for the Vernacular Economy

Param2 drives financial inclusion by allowing users to interact with digital banking systems in their local languages. Capabilities include anomaly detection to prevent fraud and automated customer assistance that breaks literacy barriers.

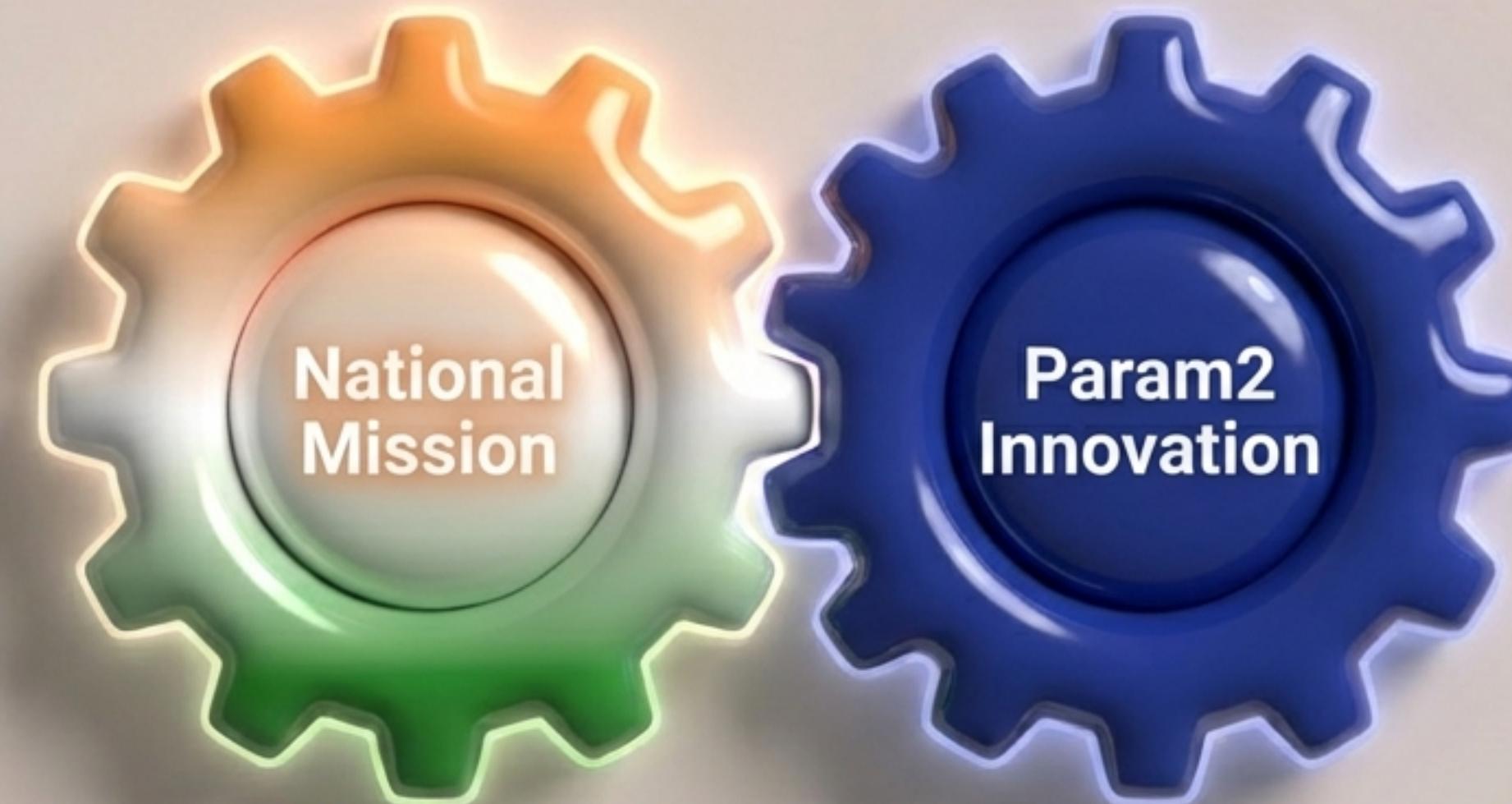
Streamlining Governance and Citizen Interaction



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AI can transform public administration by streamlining processes and improving transparency. Param2 assists citizen interactions, making government services accessible to non-English speakers.

Aligned with the India AI Mission



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Param2 is a strategic asset accelerating the India AI Mission's goal of "AI for All." It promotes ethical, accessible use of artificial intelligence across both public and private sectors.

The Roadmap for Intelligent Transformation

BharatGen's journey is just beginning. Key priorities include expanding linguistic coverage, scaling healthcare applications, and developing deep sector-focused use cases.

Expand Regional
Dialects

Scale Medical
Consultations

Deep-Dive
Governance & Fintech

Reflecting the Spirit of Bharat

“Built from the ground up to serve the needs of Indians in every linguistic region.”

— Rishi Bal, CEO, BharatGen



Param2 Specifications Summary

- **Developer:** BharatGen
- **Architecture:** Mixture-of-Experts (MoE)
- **Scale:** 17 Billion Parameters
- **Linguistics:** 22 Indian Languages (Text & Speech)
- **Training Data:** 100% Localized Indian Datasets
- **Focus Areas:** Rural Healthcare, Fintech, Governance
- **Status:** Live & Deployable