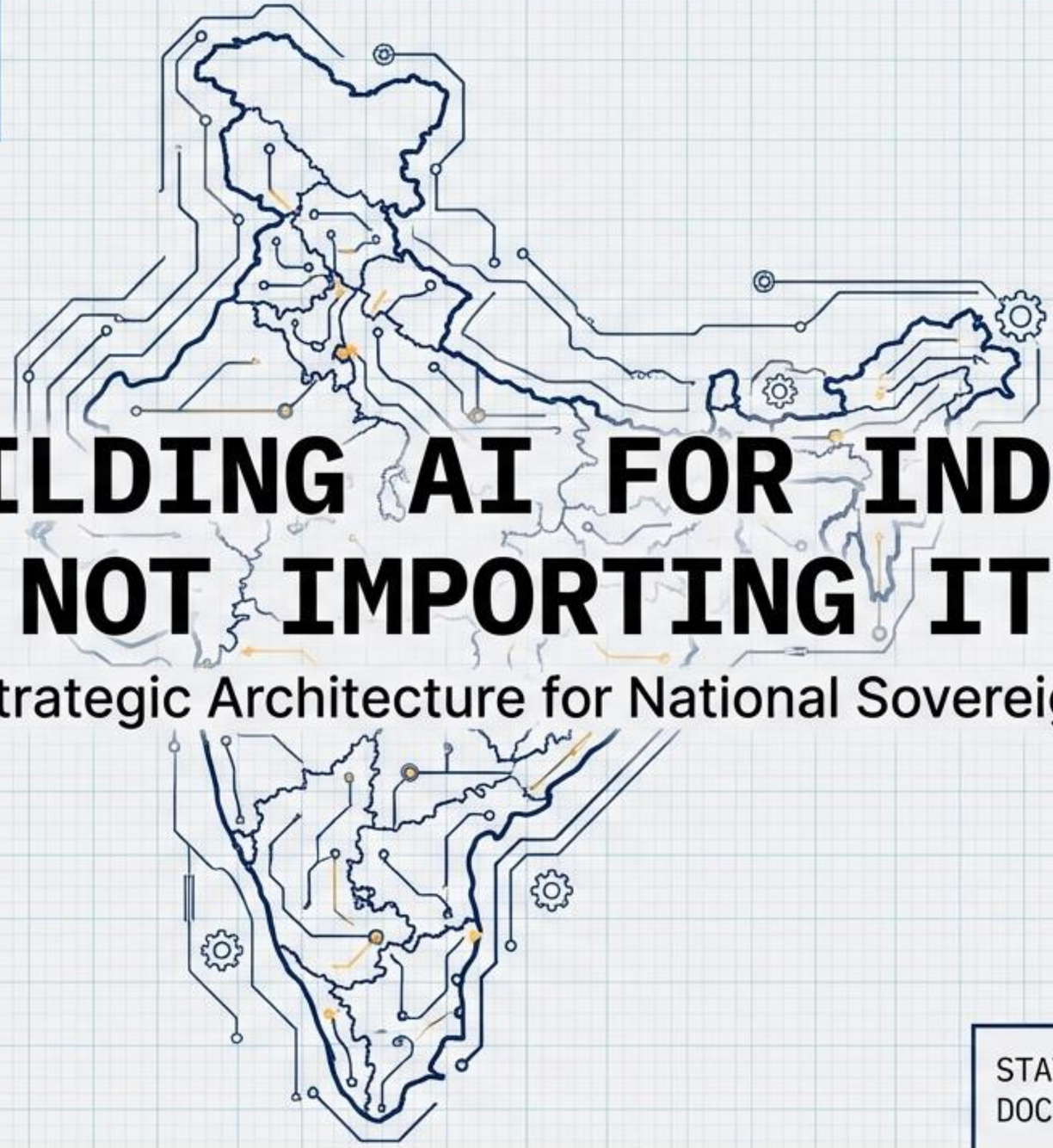
PROJECT: SOVEREIGN AI
DATE: JAN 30 TECH BRIEFING
REF: BHARAT JAIN



BUILDING AI FOR INDIA, NOT IMPORTING IT

A Strategic Architecture for National Sovereignty

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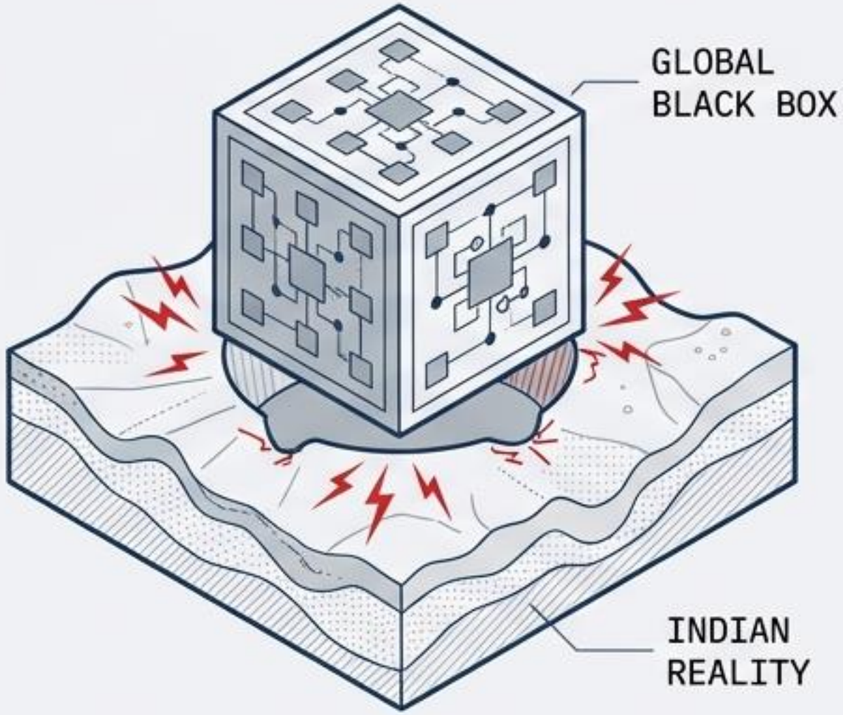
STATUS: BLUEPRINT PHASE
DOC TYPE: SYSTEM SPECIFICATION

The Core Engineering Question

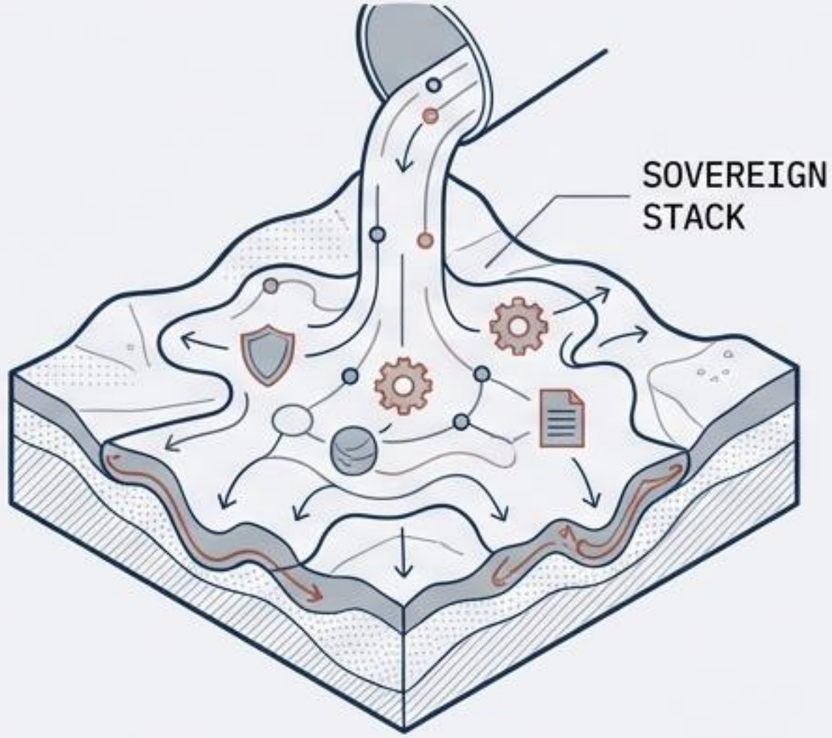
How do you build AI that truly works for India?

OPTION A: IMPORTED INTELLIGENCE



- Borrowed Architecture
- Retrofitted as Afterthought
- High Friction

OPTION B: INDIGENOUS INTELLIGENCE



- Designed Ground-Up
- Native Compatibility
- Zero Friction

The goal is not adaptation. It is architectural alignment.

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Sovereignty Before Scale

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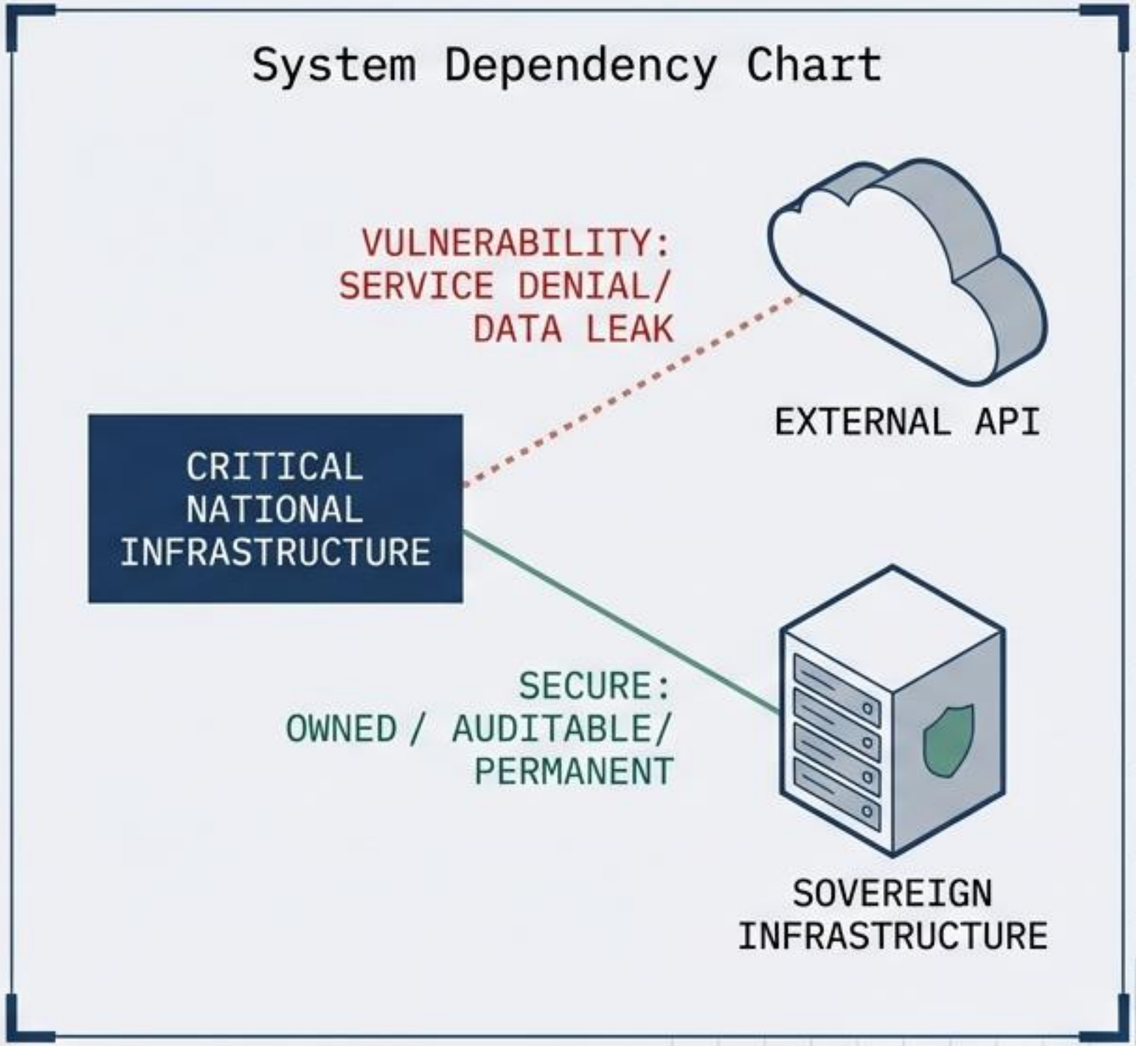
India cannot depend on external AI systems for its most critical needs.

This is not nationalism. It is about reliability, trust, and long-term control.



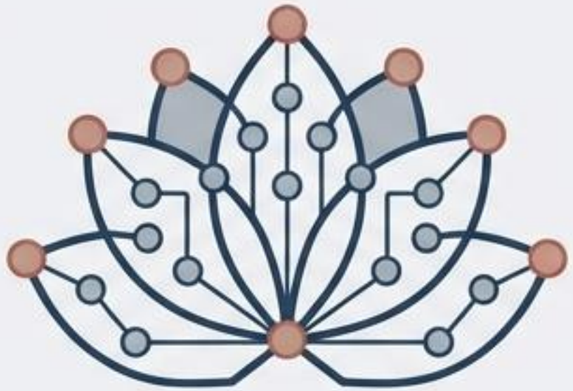
Dependency on foreign APIs for governance is a vulnerability, not a strategy.

The Three Non-Negotiable Pillars

01. SOVEREIGNTY

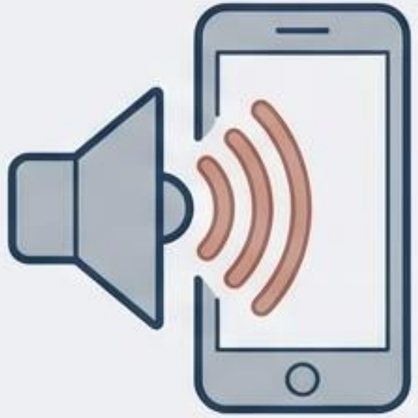
- Always Available
- Fully Auditable
- Transparent & On-Premise

02. INDIANNESS



- Representation, Not Translation
- Deep Cultural Context
- Legal & Historical Nuance

03. ACCESSIBILITY



- Voice-First Interface
- Low Cost Deployment
- No GPU Required

These are architectural requirements, not optional features.

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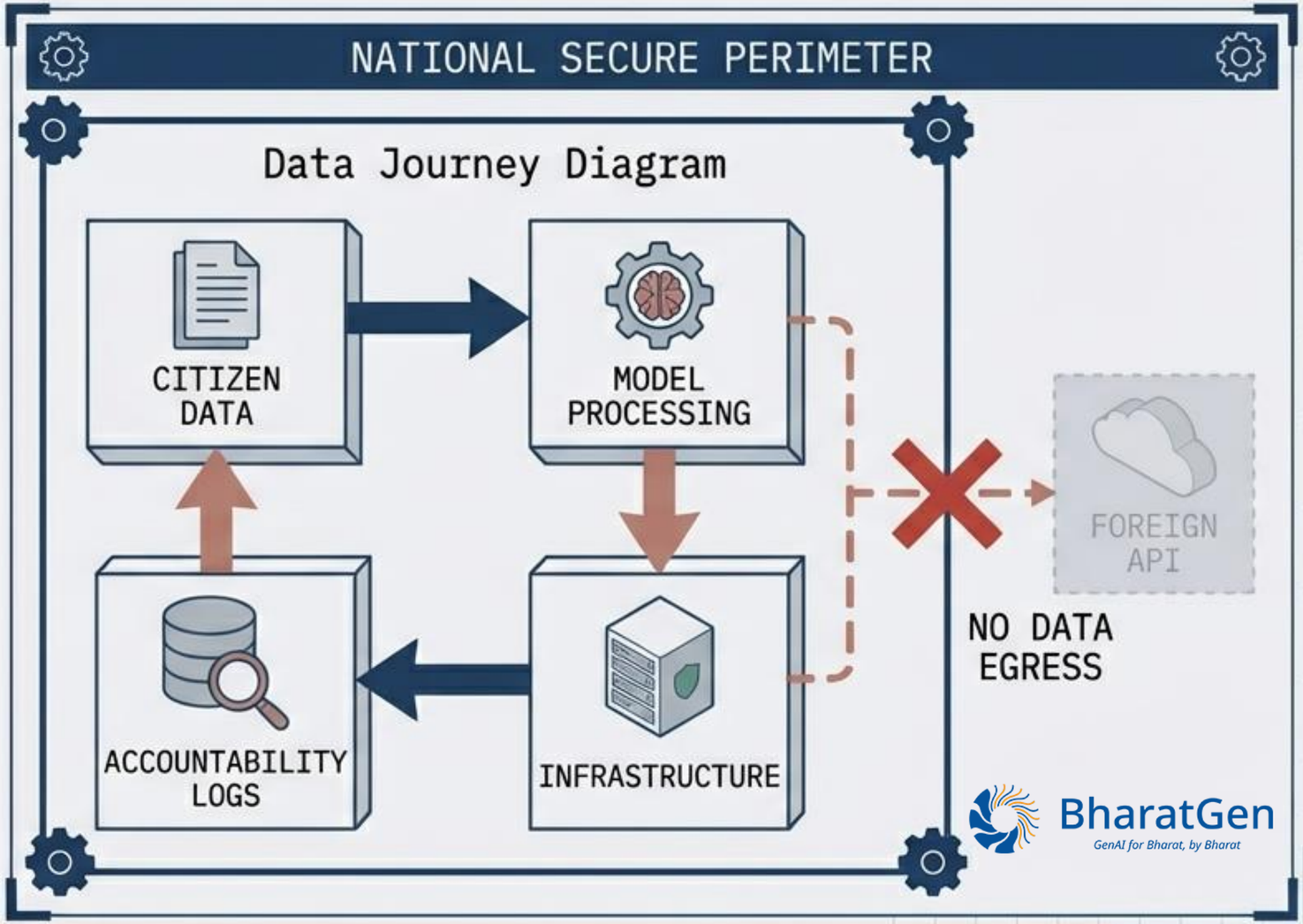
Pillar 1: Sovereignty as a Security Protocol

The Requirement:
Government and enterprise users cannot afford black boxes.

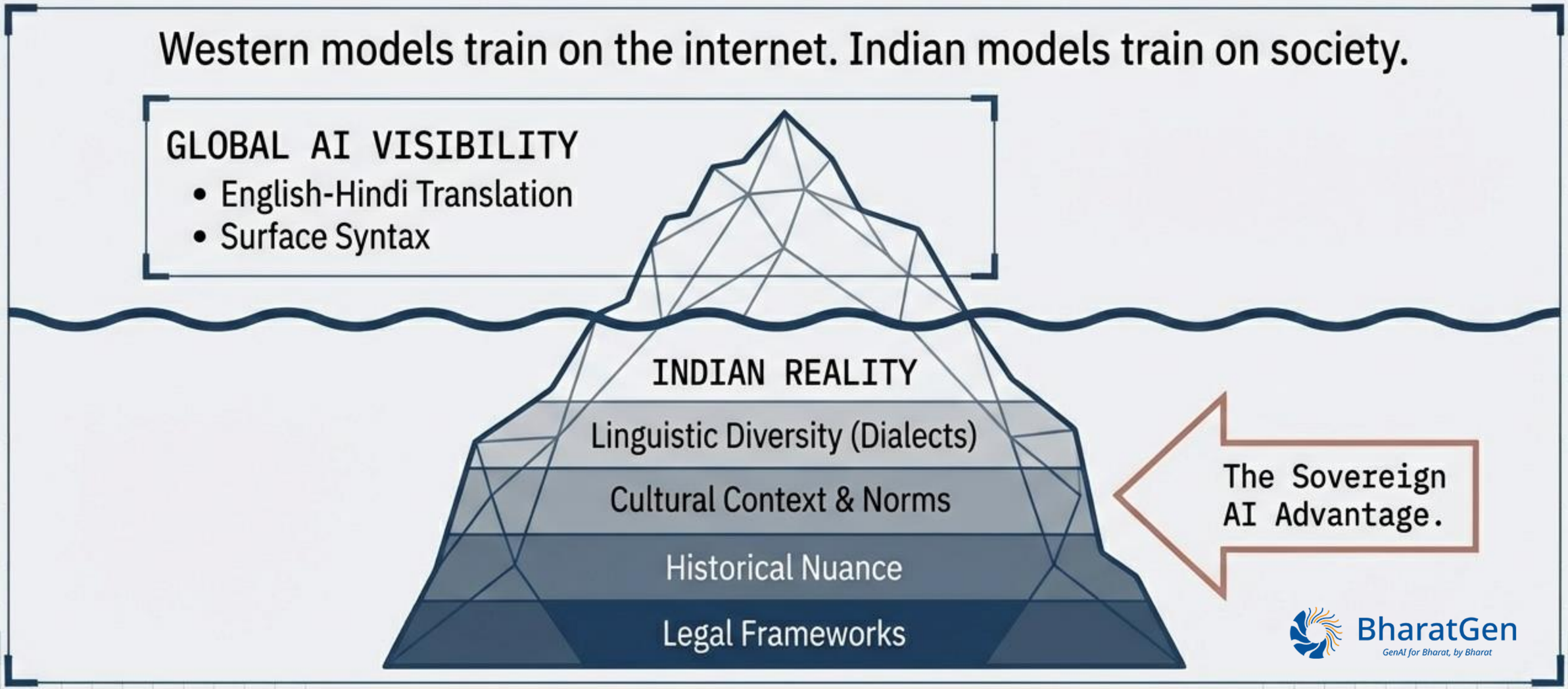
1. Provenance: Know where data lives.
2. Behavior: Audit how decisions are made.
3. Resilience: System operates even if global internet disconnects.



Sovereignty means data residency, processing control, and full system ownership.

Pillar 2: Representation, Not Just Translation

Western models train on the internet. Indian models train on society.



Representation means understanding the deep structure of society, not just the surface structure of language.

Pillar 3: Accessibility is the Foundation

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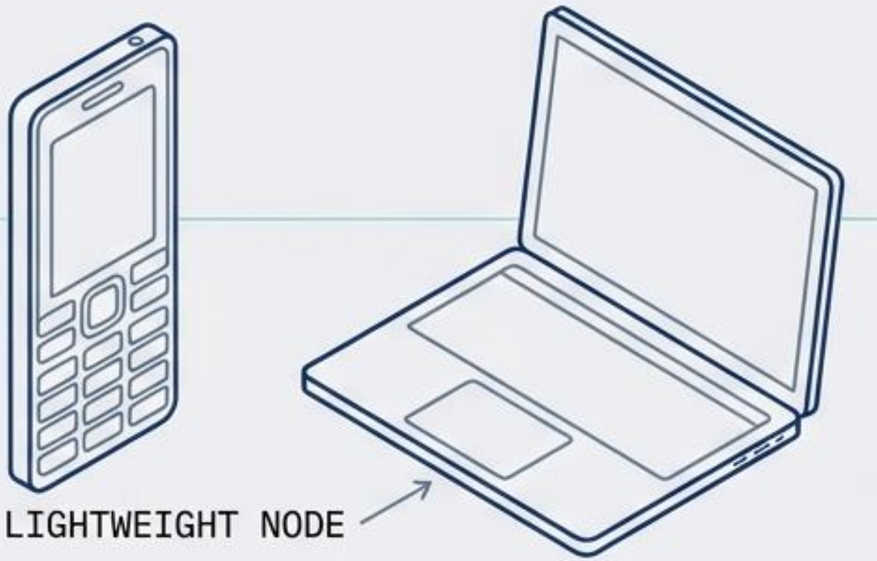
Most AI assumes high literacy and high-end hardware. We invert the assumption.

TECHNICAL SPECIFICATION



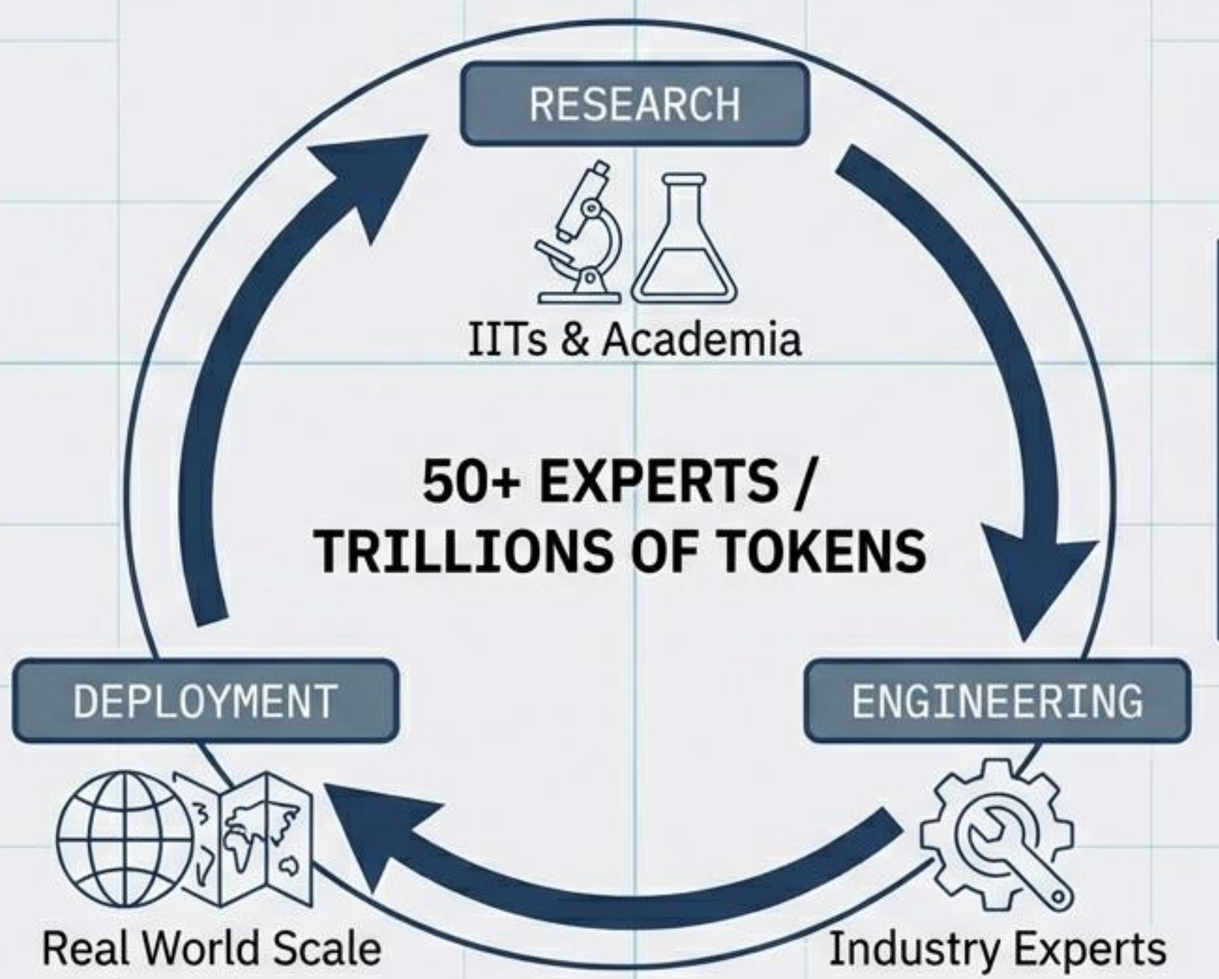
Lightweight Node

INTERFACE:	VOICE-FIRST / ORAL
HARDWARE REQ:	CPU ONLY (NO GPU)
BANDWIDTH:	2G / INTERMITTENT
COST MODEL:	LOW-RESOURCE OPTIMIZED

Accessibility is not a feature. It is the architectural baseline.

The Execution Model: A New Kind of Consortium

Breaking the silos between labs and markets.



AVOIDING THE TRAPS:

- ✗ Pure Research (Never Ships)
- ✗ Pure Product (Never Generalizes)

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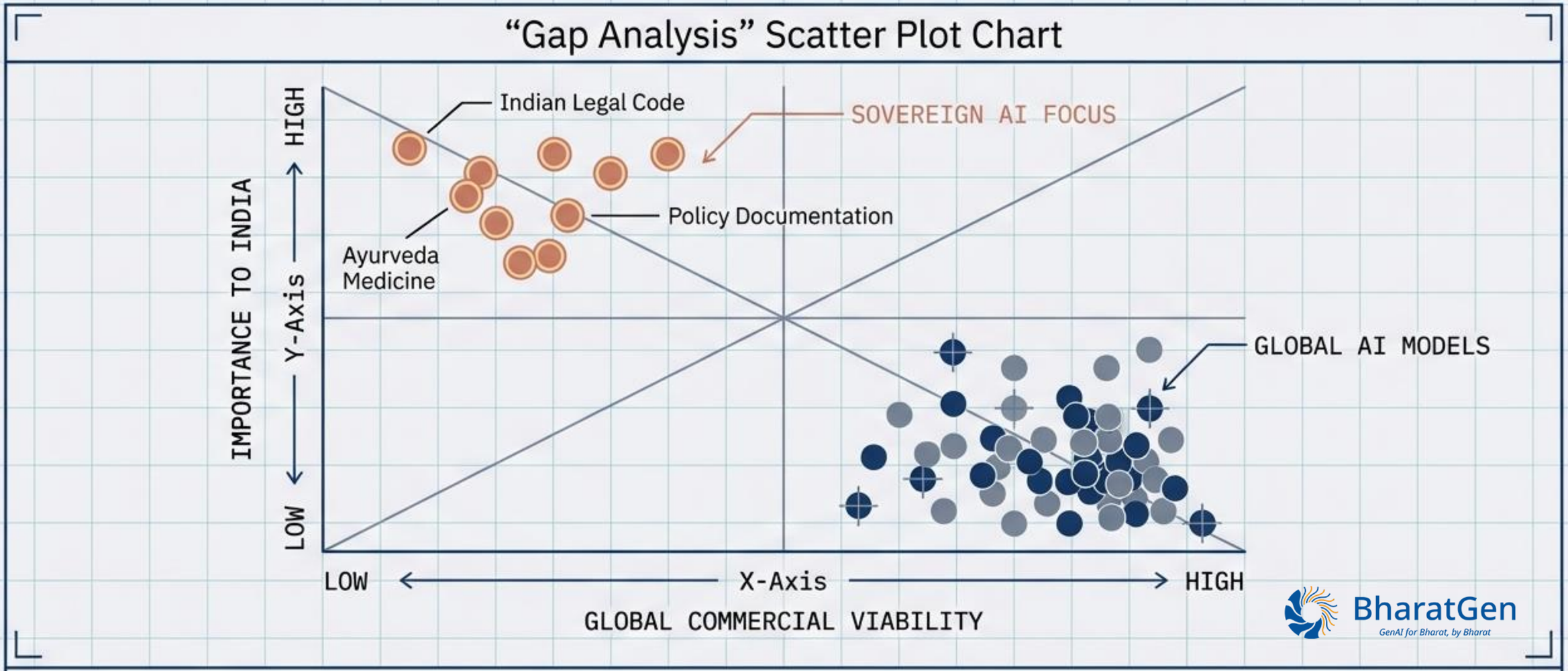
Solving Problems the Global Market Ignores



Optimizing for relevance over revenue.

New Benchmarks for Real-World Use

Moving from Leaderboards to Utility.

The question is not ‘Does it score well globally?’ but ‘Does it work where it actually matters?’

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Why AI Pilots Fail in India

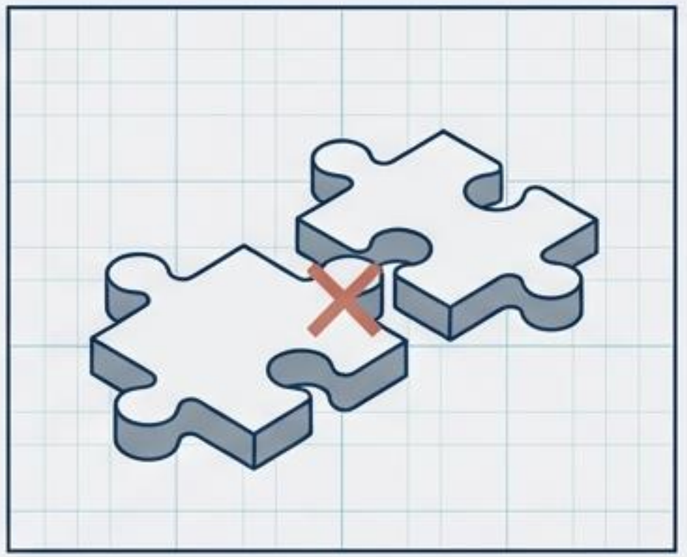
A Pre-Mortem of Common Failure Modes

SECURITY & SOVEREIGNTY

External APIs create compliance risks. Local data ensures trust.

COST OVERRUNS

Unpredictable token costs kill budgets. Fixed costs are essential.



LACK OF CUSTOMIZATION

One-size-fits-all fails at the last mile. Legal/Gov needs >99% reliability.

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Use Case: The Digitization of Governance

LEGACY INPUT

SOVEREIGN MODEL PROCESSING

AI-POWERED TRANSFORMATION

ID	1024
STATUS	APPROVED
DATE	2023-07-24
LANGUAGE	HINDI/ENGLISH
SOURCE	GOV_DOC_SCAN
NOTES	VERIFIED

DIGITAL ASSET

Handling noisy scans, mixed languages, and inconsistent formats.

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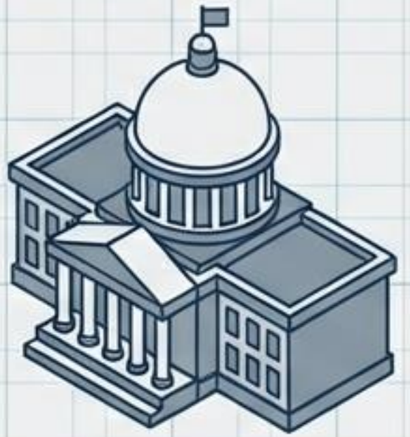
Use Case: Speech AI for Real Accents

VOICE INPUT (CODE-MIXED)

ACTIONABLE REQUEST



CITIZEN

Regional Dialect / Low Literacy

SPEECH MODEL

Dialect Interpretation

PUBLIC SERVICE

Access Granted

Bypassing text interfaces to democratize access.

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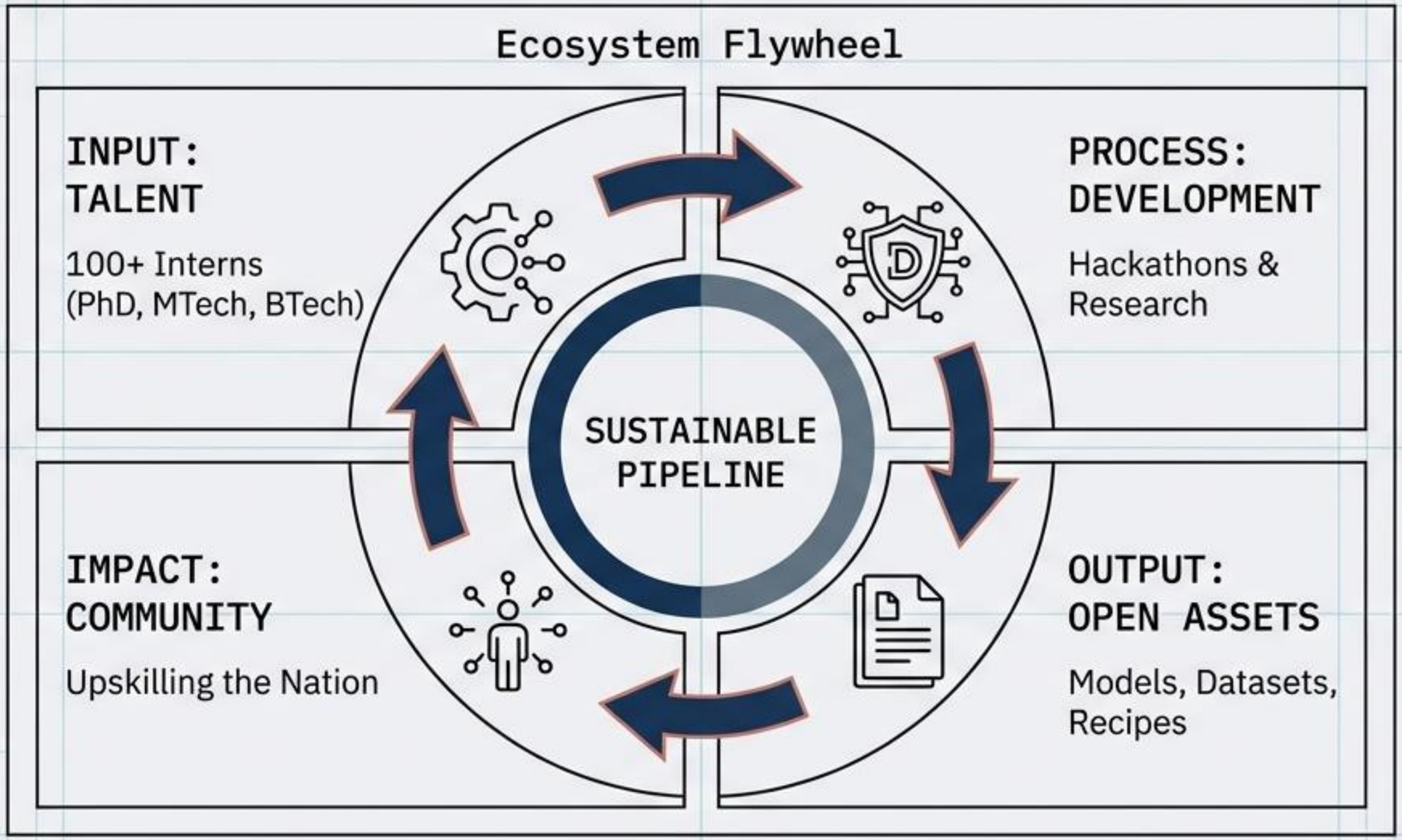
Talent as Infrastructure

Building capacity, not just code.



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Redefining Success

STAYS IN INDIA

UNDERSTANDS INDIA

SERVES INDIA AT SCALE

NEXT: CPU Support | Open Weights | Heterogeneous Hardware

The measure of success is national relevance.

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