

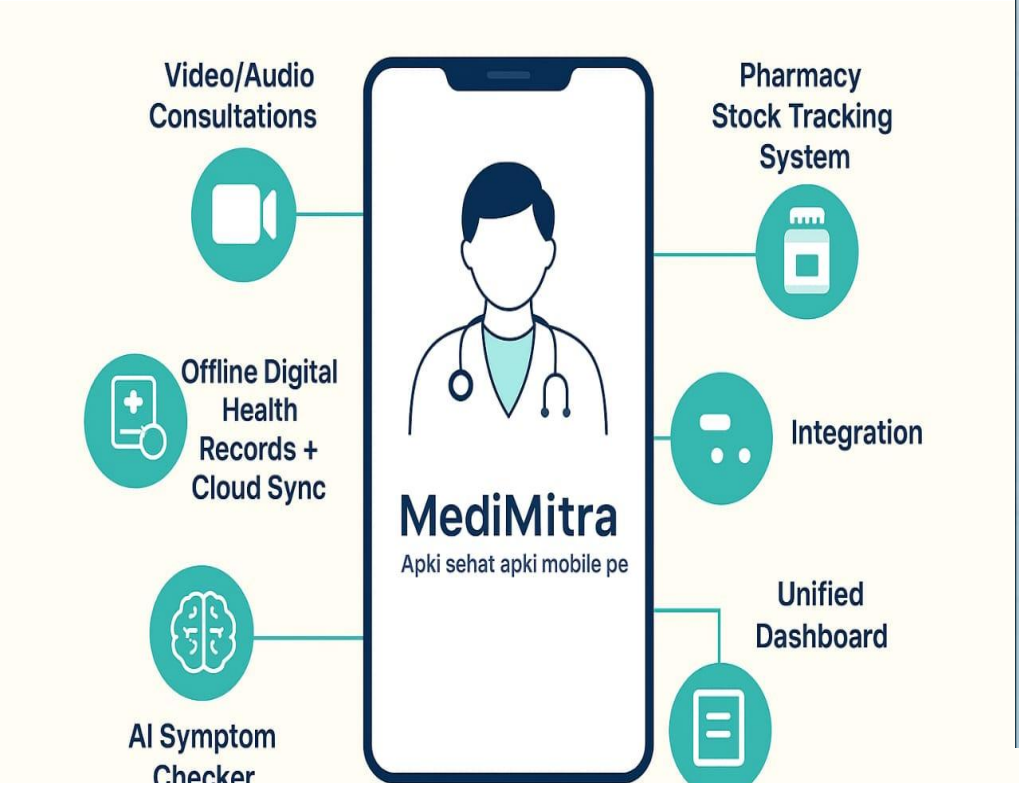
SMART INDIA HACKATHON 2025



- **Problem Statement ID –SIH25018**
- **Problem Statement Title -Telemedicine Access for Rural Healthcare in Nabha**
- **Theme-MedTech/BioTech/ HealthTech**
- **PS Category- Software**
- **Team ID- 55237**
- **Team Name (Registered on portal):Healthbridge**

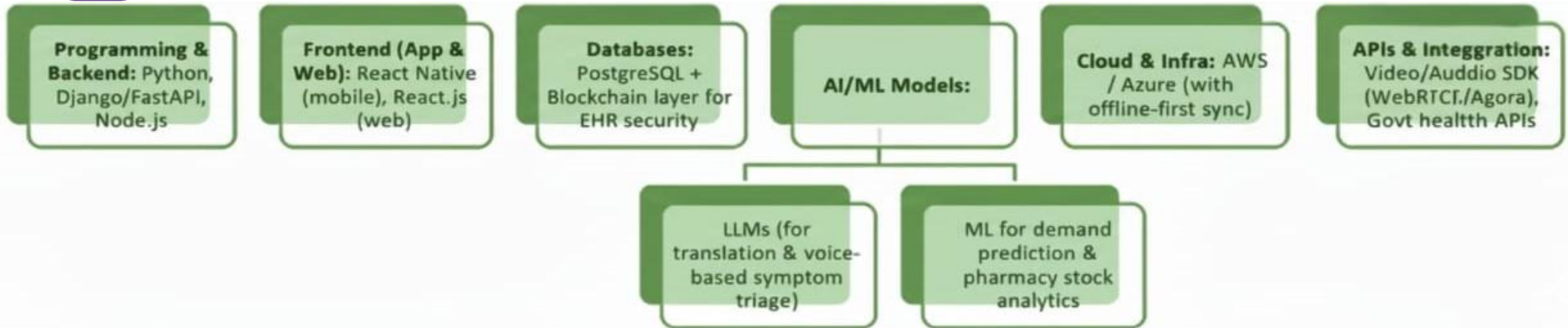


AI-Powered Rural Healthcare Access Platform For Nabha and Surrounding Villages

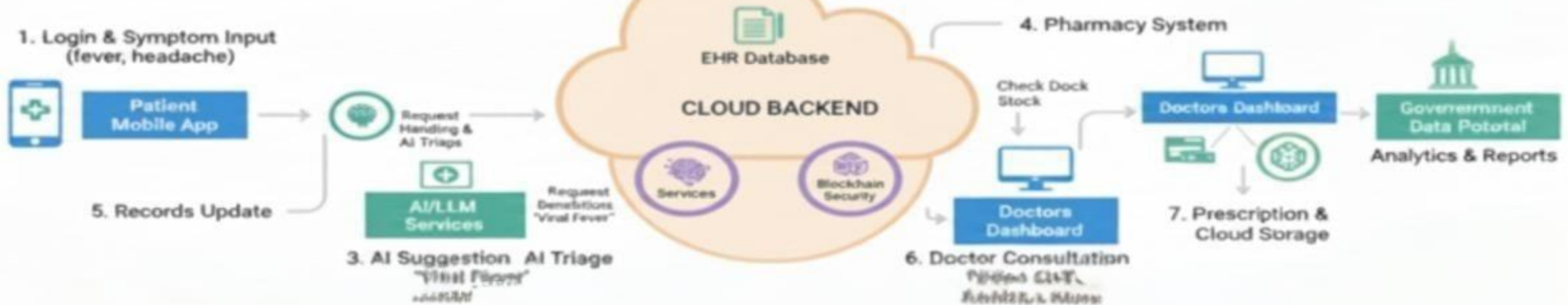


How It Addresses the Problem	Innovation & Uniqueness
Doctors available virtually → reduces travel & delays	LLM-powered auto-transation bridingg language & literacy gaps
Offline-accessible health records → continuity of care	Offline-first + blockchain-backed EHRs (raare in rural healthcare)
AI symptom checker → helps patients reach correct specialists quickly	Voice-based LLM triage for semii-literate users
Pharmacy stock tracking → prevents wasted trips	Integrated pharmacy visiblity at the village level
Unified dashboards → efficient resource allocation & decision-making	Scalable AI-driven analytics for demand pedidiction ✨

TECHNICAL APPROACH





Patient Journey[Fever]




Feasibility
Technically feasible using AI/LLMs, cloud & mobile app frameworks
Scalable across multiple rural regions in India
Affordable deployment with open-source tools & phased rollout
Partnership opportunities with govt & NGOs
Sustainable with recurring govt/CSR support

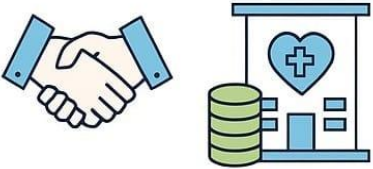
Long-term Sustainability



Ayusman Bharat Government Schemes

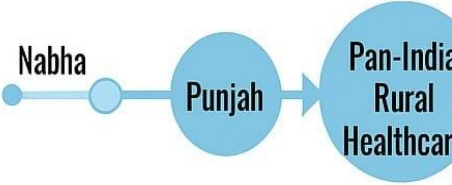


Integration with Avusman Bharat & Govt Schemes



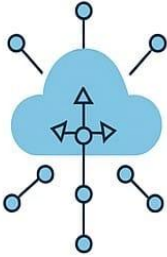
CSR Funding & Public-Private Partnerships

Scalability Angle



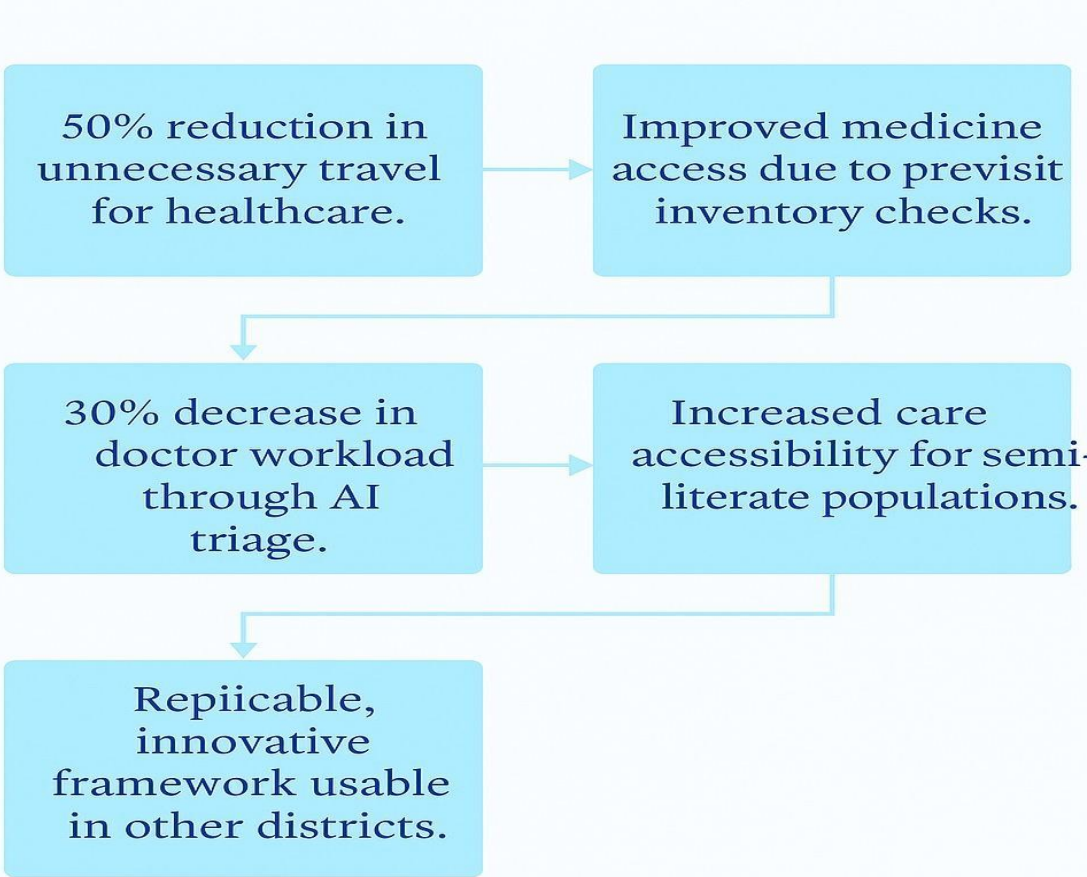
Nabha → Punjab → Pan-India Rural Healthcare

Designed to expand from Nabha → Pan-India



Cloud-Native Architecture Supports Nationwide Rollouts

Challenges / Risks	Mitigation Strategies
Low internet penetration in rural areas	Offline-first architecture + data sync when online
Resistance to adoption among villagers & staff	Training, multilingual support, community awareness drives
Data privacy & security concerns	Blockchain-backed EHRs + strong encryption policies
Limited tech literacy among patients	Voice-based interfaces & LLM-powered translation
Supply chain gaps for medicine availability	Real-time pharmacy tracking & predictive analytation



Impact	Benefits
Timely healthcare access for rural patients	Multilingual telemedicine for all literacy levels
Early diagnosis & better health outcomes	Offline digital health records for continuity
Reduced travel & saved income	Real-time pharmacy stock updates
Increased awareness & trust in healthcare	AI-powered symptom checker for urgent cases
Optimized resource use for hospitals	Scalable & replicable across rural India

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