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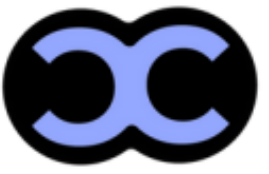


BrahmaX 1.0

The Creation of Tomorrow

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Profile Overview



- **Theme:** AI IN HEALTHCARE
- **Problem Statement Title:** Bridging Healthcare Gaps: A digital platform “**MEDIVERSE**” for Seamless Hospital Connectivity & Real-Time Hospital Network Coordination to save lives.”
- **Team ID :** (As per Unstop registration)
- **Team Name:** TECH TEENS



Solution Overview: "Real-time coordination ensures patients reach the right hospital faster, while AI-driven insights prevent bottlenecks, slashing wait times and costs across the system."

Problem-Solving:

A **digital platform** enabling hospitals in a region to **securely share critical data** in real-time, improving care coordination and resource efficiency. Problems to be resolved are:

To uplift the condition of government hospitals

Resource Availability.

Specialist Collaboration

Innovation: Reduces delays in emergency care.

- Reminders to take medicine at time.
- Providing a free medical counselling as a reward.
- Providing a feature of giving informations releated to medicines in offline mode.



Technical Approach

Technologies Used: Core Technologies for Development:

•Backend:

- **Node.js / Django / Spring Boot** (for scalable server-side logic)
- **Firebase / AWS / Azure** (for cloud hosting & serverless functions)
- **GraphQL / REST APIs** (for seamless data exchange between hospitals)

•Frontend:

- **React Native / Flutter** (for cross-platform mobile apps)
- **React.js / Angular** (for web-based admin dashboards)

AI & Analytics for Enhanced Connectivity:

- **AI-powered chatbots** (for instant hospital queries)
- **Predictive analytics** (for resource optimization across hospitals)
- **NLP (Natural Language Processing)** – For processing doctor notes & reports

Methodology: 1. Choosing the Tech Stack

2. Design UI/UX Prototype

3. Develop Core Features

4. Ensure Security

5. Pilot with Hospitals

6. Post-Launch



1. Feasibility:

1. Solves a **critical pain point** (coordination delays).

2. Has **clear monetization** and cost-saving potential.

Challenges & Risks: Hospital Resistance to Adoption

• **Obstacle:** Hospitals may resist sharing data due to **competition** or **legacy system** inertia..

Network Reliability

• **Obstacle:** Rural hospitals may have **poor internet**.

High Development Costs

Obstacle: FHIR integration, AI, and security are expensive.

Mitigation Strategies: Hospital Resistance to Adoption

•Solution:

- Offer **incentives** (e.g., free pilot phase, analytics dashboards).

Network Reliability

•Solution:

- Enable **offline mode** with local data storage.

High Development Costs

.Solution:

- Use **open-source tools** (HAPI FHIR, TensorFlow).



- Target Audience Impact: 1. Faster Emergency Response
- 2. Cost Savings for Hospitals
- 3. Improved Public Health Coordination

Key Benefits: For Governments/Payers:

6.Reduced Healthcare Costs

7.Disaster Preparedness

. Foundation for Future Tech

•Plug-in-ready for:

- AI diagnostics (e.g., radiology scans).
- IoT/wearables (remote monitoring).

Long-Term Value: For Hospitals:

1.Faster Emergency Response

2.Cost Savings

3.Seamless Collaboration



REFERENCES

- <https://chat.deepseek.com/a/chat/s/6639c8e4-0d7c-43d8-8080-c5054f1f21c5>
- <https://www.canva.com/>