

MatruShakti Hackathon Pitch - Team Code Ninjas

1. Opening Story

Good [morning/afternoon] everyone. Before I tell you about our solution, I want to share a real story.

In a small village in Madhya Pradesh lives Sunita, a young mother-to-be. She depends on her local ASHA worker for checkups and advice, and visits the Anganwadi center occasionally for nutrition support. But when complications arose in her pregnancy, the ASHA worker didn't have the tools to detect it early. Medical records were lost, insurance delays followed, and Sunita faced a heartbreaking outcome.

This is the gap we want to close with MatruShakti.

2. The Problem

In rural India, women face:

- Lack of doctors and hospitals
- Missing or paper-based medical records
- Complex access to schemes
- Financial stress from slow insurance aid
- Limited support for ASHA/Anganwadi workers to detect complications early

3. Our Solution Smart Matri Chain

MatruShakti is an AI + Blockchain-powered ecosystem that doesn't just serve expecting mothers; it empowers ASHA and Anganwadi workers with the tools and insights they need to be real-time health guardians in their villages.

4. Key Features

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Key features of MatruShakti include:

- AI-driven risk prediction: Flags danger signs before its too late
- IoT monitoring devices: ASHA workers can track vitals like BP, fetal heartbeat, etc.
- Blockchain-based medical records: Easy access and tamper-proof
- Auto-enrollment into government schemes like PMMVY, JSY, SUMAN
- Smart insurance claims: Faster processing
- Verified mother support network: Emotional and peer guidance

5. Role of ASHA & Anganwadi Workers

With MatruShakti:

- ASHA workers get a mobile dashboard with AI alerts and patient history
- They can use IoT tools during home visits for live health tracking
- Anganwadi workers can monitor nutritional support and sync it with health data
- Both become vital, digitally empowered connectors between mothers and healthcare systems

6. Tech Stack

Powered by:

- AI/ML: Health prediction & alerts
- Blockchain: Ethereum + Smart Contracts
- IoT Devices: Wearables for vitals
- React, Node, APIs, Secure Cloud Infra

7. Real Impact

MatruShakti can:

- Save lives via early detection

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- Strengthen ASHA/Anganwadi-led rural healthcare
- Make government aid truly accessible
- Bring emotional and social support to every mother

8. Vision & Closing

Our vision: A future where no mother is lost due to delay, distance, or lack of support. With MatruShakti, we empower not just the mothersbut also the frontline workers who care for them.

Thank you!