



AEGARTECH X



TINYTRACK

STRATEGIC PROJECT REPORT

TinyTrack

MATERNAL HEALTH & NGO DATA MANAGEMENT

01 / THE BUSINESS CHALLENGE

Fixing Disconnected Care and Barriers to Access

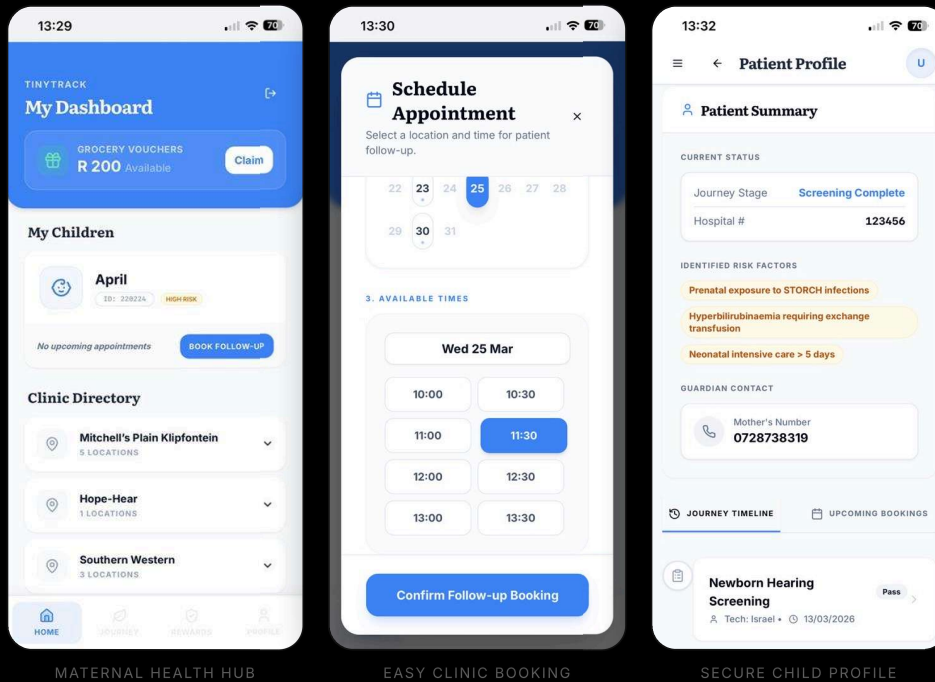
Before partnering with AegarTech, TinyTrack faced a major hurdle: their systems didn't talk to each other. Patient records, clinic schedules, and growth tracking were all managed separately. This made it difficult for mothers to find the right clinics or stay on top of their children's development. The goal was to build one clear, unified platform that gave mothers easy access to care and kept all their medical information in one secure, private place.

02 / ENGINEERING INNOVATION

A Single Hub for Health Tracking and Rewards

We built a fast, easy-to-use web app (PWA) using Next.js and Firebase. We created a smart profile system that automatically tracks a child's progress as mothers use the app, providing a full picture of their development over time. To encourage regular check-ups, we built a secure rewards system where mothers can earn grocery and airtime vouchers. We made sure the backend was highly secure so that rewards are only claimed by verified users, protecting the project's funds and integrity.

03 / VISUAL VALIDATION



Architecture: Mobile-first web app designed to work reliably on all devices and network speeds.

IMPACT METRICS

Unified

SINGLE HUB FOR ALL PATIENT DATA

Secure

VERIFIED & PROTECTED REWARDS SYSTEM

THE AEGAR STACK

Frontend: Next.js (Web App)

Backend: Firebase Serverless

Compute: Cloud Functions

RELIABILITY

Built to be a **Trusted Source** for families, ensuring critical health information is available 24/7 without interruption.