

ABC

DEVSHAstra

Code Collab Conquer



**Project Title : MEDLINK**

**Team Name : ABC**

**Team Members** (*Names + Roles Briefly*) : Suniti Paliwal ( Frontend ) - LEADER  
Shivam Yadav ( Frontend )  
Navneet Kumar ( Backend )  
Vishnu Pad ( WEB3 ,AI )

**Theme Chosen** (*Web3 / AIML / Fintech / Healthcare / Open Innovation / EdTech*) :  
**WEB3 + Healthcare + AI**

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# PROBLEM STATEMENT & TARGET AUDIENCE



## Problem We're Solving

- People often **lose medical records** and **don't track health history**.
- In emergencies, **doctors lack instant access** to past treatments or allergies.
- **Paper prescriptions get lost**, and **reports are hard to understand** for normal people.
- **Example:** After an accident, a doctor doesn't know you're allergic to a medicine — this can delay or risk treatment.

### Stats :

- ❑ 60% of patients lack full health records (WHO).
- ❑ 40% of emergency time is spent gathering history.
- ❑ 1 in 3 people lose their prescriptions.

## Target Users

- **General public (B2C):**  
Age group: **18–60+** , People with medical history, allergies, or chronic illness , Families managing records for kids or elders , Emergency cases needing quick info
- **B2B (Professionals):**  
Doctors, clinics, and hospitals , Labs for report storage , Health insurance providers
- **Model:** Works for both **B2B and B2C**

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# OUR UNIQUE SOLUTION



## Key Features

### Solves the Problem By:

- **Stores all health records** securely in one place (reports, prescriptions, history).
- **Accessible anytime, anywhere** — even during emergencies.
- **Search past treatments** to understand what worked before.
- **AI + OCR** to **explain reports in simple language** to normal users.

### Unique Selling Points (USPs):

- **Secured with blockchain** – no one can tamper your health data.
- **Smart health assistant** – suggests actions based on past data.
- **Just share one address** – doctors can access full history instantly.
- **Auto-tracks medical journey** – like a health timeline.
- **Example:** Lost your prescription? Just open the app – it's already saved.

## Why It's Different

- **Traditional systems** store data in hospitals/labs only – not with the patient
- **Paper reports** can get lost, damaged, or forgotten.
- Existing apps may store data, but don't explain it or help in emergencies.

### What makes this idea unique?

- **Blockchain-backed security** – Your health data is safe, tamper-proof, and fully yours.
- **AI-powered report explainer** – Converts complex medical terms into **easy-to-understand** info.
- Just scan → store → access anytime. Even doctors can use your shared address for instant treatment help.

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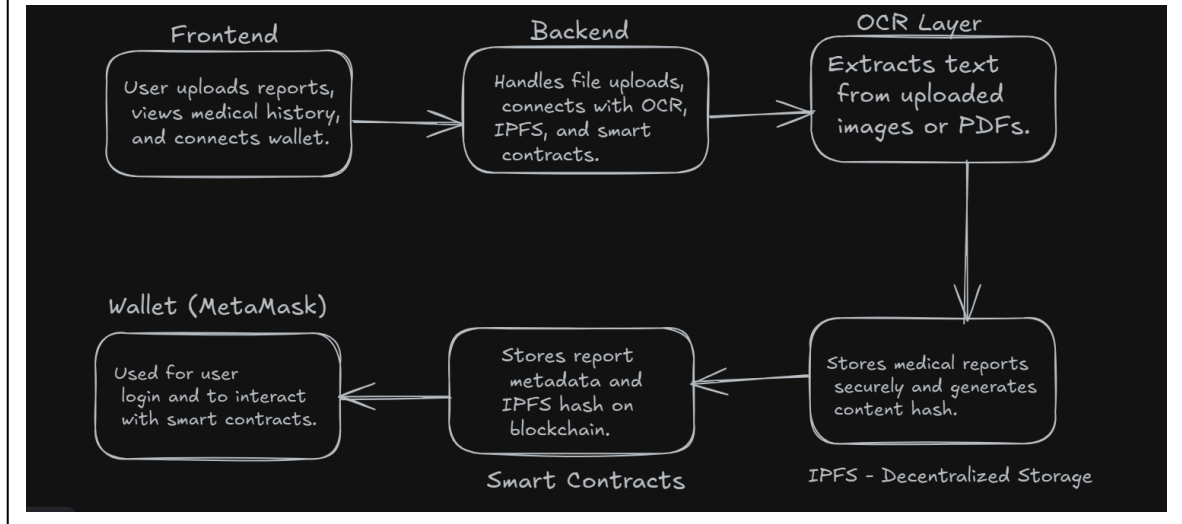
# TECH STACK + ARCHITECTURE



## Tech Stack

- **Frontend :** React.js , Tailwind CSS
- **AI & OCR:** Gemini, Tesseract.js
- **Backend:** Node.js + Express , Solidity (Smart Contracts)
- **Database & Blockchain:** IPFS, Ethereum, MongoDB

## Architecture



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# FEASIBILITY AND SHOWSTOPPERS



## Feasibility

### Resource Availability:

- **Time:** Core features (UI, blockchain, OCR) can be built in 24 hrs.
- **Skills:** Familiar with **React.js**, **Node.js**, **Solidity**, and **Tesseract.js**.
- **Tools:** Use of **Tesseract.js**, **IPFS**, and **Ethereum** will make integration fast
- As a team, we will give our best to complete the project as planned. We are committed and will keep working hard to make it happen. If any problems come up, we will keep pushing and do whatever it takes to finish the project.

## Showstoppers

### Potential blockers or risks

- **OCR accuracy** issues with complex or handwritten docs.
- **Time constraints** to finish all features.

### Mitigation strategies

- We'll test OCR early on different reports.
- We'll focus on MVP to finish core features first.