



CareAI

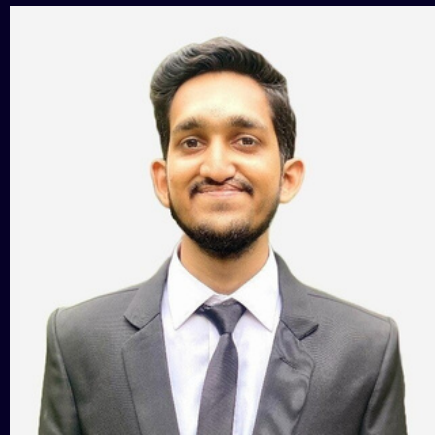
Intelligent Healthcare Administration and
Donation Allocation System

Lōkahi Healthcare Accelerator



CareAI

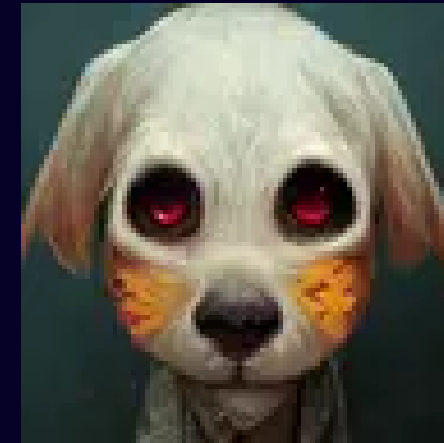
Our Team : MediManagers



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The Problem

- Access to affordable healthcare remains a critical challenge, especially for financially disadvantaged patients.
- Administrative inefficiencies, lack of transparency in treatment costs, and unequal allocation of donated funds exacerbate the problem.
- Existing systems often fail to prioritize those in dire need, leaving many patients without timely access to necessary treatments.
- There is an urgent need for a system that leverages AI to ensure fairness, transparency, and efficiency in healthcare administration and donation allocation.



Solution

CareAI: Intelligent Healthcare Administration and Donation Allocation System

CareAI aims to tackle the critical issue of access to affordable healthcare, especially for financially disadvantaged patients, by addressing the inefficiencies in healthcare administration and donation allocation.

How It Works?

- Administrator of the hospital registers patients with necessary details including medical info as well as financial info.
- CareAI's AI engine analyzes patient's and compares it with other registered patients.
- It considers multiple factors:
 - Medical Urgency
 - Financial Need
 - Impact Potential
- CareAI's AI engine calculates the severity score and priority score of the patient.
- Donation Allocation
 - The AI allocates donations from the available pool to the patient's paid amount.
- Transparency and Notification

Outcome

- **For Patient:** He/She receives life-saving treatment without financial burden.
- **For Donors:** They see exactly how their contributions made a difference.
- **For Hospitals:** Efficient and transparent funding ensures timely treatment for patients

How we built CareAI?

- LLM : LLAMA 3.1 70b
- FastAPI
- Langchain
- Hugging Face Embeddings
- RAG
- GROQ
- FAISS Vectordatabase
- React.js

Demo