



AI-ENHANCED PATIENT JOURNEY MAPPING

Hackathon: Gemma 2 AI Challenge

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INTRODUCTION

Every year, millions of patients experience delays and gaps in care due to inefficiencies in healthcare pathways. Navicare AI is here to change that.

PROBLEM STATEMENT

Disjointed communication between patient and health professionals.
Lack of personalized care pathways.
Overwhelmed healthcare systems leading to poor outcomes.



PROPOSED AI SOLUTION

An intelligent AI solution powered by the Gemma 2 API, designed to optimize patient care pathways and enhance healthcare productivity."

Key features: Personalized recommendations, real-time updates, and seamless communication.



KEY FEATURES AND FUTURE ADVANCEMENT

Patient-Centric Design:

Personalized treatment pathways based on AI predictions.

Alerts for potential delays or risks.

Provider Tools:

Real-time analytics for patient progress.

Seamless integration with electronic health records (EHR).

Scalability:

Built on the robust Gemma 2 infrastructure, ensuring reliability and speed.

WORKFLOW

Data input: Patient records, health data, hospital systems.

AI processing: Gemma 2 API's ML and NLP capabilities.

Output: Actionable insights for patients and providers.

DEMO

FUTURE PLANS

1. Enhance System Interoperability: Ensure seamless integration with diverse EHR systems and healthcare platforms.
2. Support Real-Time Monitoring: Incorporate wearable devices to capture real-time patient data for dynamic care pathway updates.
3. Advance Predictive Capabilities: Use AI for more granular predictions, such as disease progression and resource optimization.
4. Expand Adoption: Partner with more healthcare providers and systems to scale usage and gather diverse datasets for better AI training.

TEAM ROLES

Abdul Kalam – AI Frontend Engineer

Abdul led the development of the frontend using React.js, creating a user-friendly interface for smooth navigation and an enhanced user experience.

Triumph Adeniran – AI Software Engineer

Triumph was responsible for building the backend API using FastAPI, ensuring efficient and secure communication between the frontend and the server.

Rotimi Awomodu – AI Full-Stack Engineer

Rotimi developed the core functions that interact with the Gemma 2 API, enabling the integration of advanced AI capabilities into the application.

Karol Malicki – Software Engineer

Karol implemented the Gemma 2 API on the frontend, ensuring seamless connectivity and synchronization between the user interface and backend functionalities.

MEET THE TEAM



ABDUL KALAM

AI Forntend Engineer



TRIUMPH ADENIRAN

AI Software Engineer



ROTIMI AWOMODU

AI Full-Stack Engineer



KAROL MALICKI

Software Engineer



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THANK YOU!

**HELP US REVOLUTIONIZE HEALTHCARE WITH AI. LET'S CREATE A FUTURE
WHERE EVERY PATIENT'S JOURNEY LEADS TO BETTER OUTCOMES.**