

MediScanAI

Fabian Jorgji, Alks Firaj

Project Overview

- MediScanAI is an AI-powered mobile app designed to assist with preliminary medical diagnosis. Users can either take a picture of a visible condition or input symptoms to get instant AI analysis, visual examples, and generate a medical report.

Problem Statement

- • Patients often struggle with understanding symptoms.
- • Limited access to quick medical insights.
- • Need for preliminary AI-based support to assist before professional consultation.

Our Solution

- • Image-based analysis using Vision AI.
- • Symptom-based diagnosis using GPT AI.
- • AI-powered visual image generation to educate the patient.
- • Full medical report generation in PDF format.
- • Patient Info management (Name & Birthday).

Main Features

- • Patient Info Input
- • Take Picture & Analyze (Vision AI)
- • Continue Without Image (Symptom Description)
- • GPT-Powered Diagnosis
- • AI Image Generation for visualization
- • Medical Report Export (PDF)

Technology Stack

- • React Native (Expo)
- • OpenAI GPT-4o (Text Diagnosis)
- • OpenAI DALL·E (Image Generation)
- • Google Vision AI (Image Label Detection)
- • Expo Print & Sharing (PDF Generation)
- • Moment.js (Date formatting)

App Flow Diagram

- 1. Patient Info Input
- 2. Welcome Screen (Choose image or text)
- 3. Vision AI (if image provided)
- 4. GPT Diagnosis (based on symptoms)
- 5. AI Image Generation
- 6. Results Displayed
- 7. Export PDF Report

Screenshots

- • Patient Info Screen
- • Welcome Screen
- • Symptom Input Screen
- • Analysis Result Screen
- • Exported PDF Report Example

Future Improvements

- • Multi-language support
- • Medical database integration
- • Real doctor consultation module
- • History tracking for patients
- • Authentication and secure data storage

Conclusion

- MediScanAI demonstrates how AI can provide instant medical insights, generate visual examples, and produce full reports to support both patients and medical professionals.
- Developed by: Fabian Jorgji & Alks Firaj