

Summary of the Project Idea:

The *AI-Powered Health Monitoring Dashboard* is an advanced web-based system designed to support healthcare professionals in real-time monitoring and diagnosis using artificial intelligence. The dashboard enables doctors to track and analyze patient data from various sources such as manually entered vitals, uploaded reports, and symptoms. It features an AI-powered symptom checker, and modular patient report management.

The system is built with a full-stack architecture, combining frontend pages (HTML/CSS/JavaScript) with backend logic, database connectivity, and machine learning models. The dashboard includes role-based access for Admins, Doctors, and Patients, ensuring appropriate privileges and data privacy.

1. User Authentication System

- Login functionality (login.html)
- User registration (signup.html)
- Password recovery (forgot-password.html)
- Different user roles (Admin, Doctor, Patient)

2. Patient Features

- Patient Dashboard (patient-dashboard.html)
- Appointment Management
- View appointments (patient-appointments.html)
- Book new appointments (new-appointment.html)
- Medical Reports (patient-reports.html)
- Patient Profile Management (patient-profile.html)
- Symptom Checker (symptom-checker.html)

3. Doctor Features

- Doctor Dashboard (doctor-dashboard.html)
- Appointment Management
- View and manage appointments (doctor-appointment-overview.html)
- Appointment details view (appointment-view.html)

- Patient Management
 - View patient list (doctor-patients.html)
 - Patient details view (patient-view.html)
4. **Admin Features**
- Admin Dashboard (admin-dashboard.html)
 - User Management
 - System Overview
5. **Appointment Management System**
- Appointment scheduling
 - Appointment overview
 - Appointment status tracking
 - New patient registration
6. **UI/UX Features**
- Modern and responsive design (based on CSS styles)
 - User-friendly navigation
 - Clean and professional interface
 - Mobile-responsive layout
7. **Security Features**
- User authentication
 - Role-based access control
 - Secure password management
8. **Additional Features**
- Symptom checker for preliminary diagnosis
 - Medical reports management
 - Patient history tracking
 - Doctor-patient communication interface

The system appears to be a comprehensive healthcare management solution that facilitates:

- Easy appointment scheduling

- Patient-doctor interaction
- Medical record management
- Administrative tasks
- User account management

The project follows a modern web development approach with:

- Separate frontend and backend architecture
- Organized file structure
- Responsive design implementation
- Clean and maintainable code structure

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