



Your Gateway to Smarter Healthcare



**AI-powered Doctor Appointment Booking and
eDoctor Assistant**

Presented By: Harsh Raj

Live: mediverse-six.vercel.app

Project Overview

What is MediVerse?

MediVerse is a full-stack MERN web application designed to streamline healthcare by enabling users to connect with medical professionals and receive AI-powered health assistance.

Book Appointments

Schedule appointments with expert doctors across various specializations with ease.

AI eDoctor

Get instant health advice and medical insights powered by advanced AI technology.

User Management

Manage appointments and medical history via a unique User ID system.

Key Features

User Registration & Login

Secure authentication system with unique User ID generation for each user.

Appointment Booking

Choose from available doctors, select preferred dates and times for consultations.

eDoctor AI Assistant

AI-powered Medical Receipt Generator using Cohere API for instant health insights.

User Dashboard

Comprehensive view of appointment history and medical records management.

Responsive Design

Beautiful UI inspired by Prescripto Figma template, optimized for all devices.

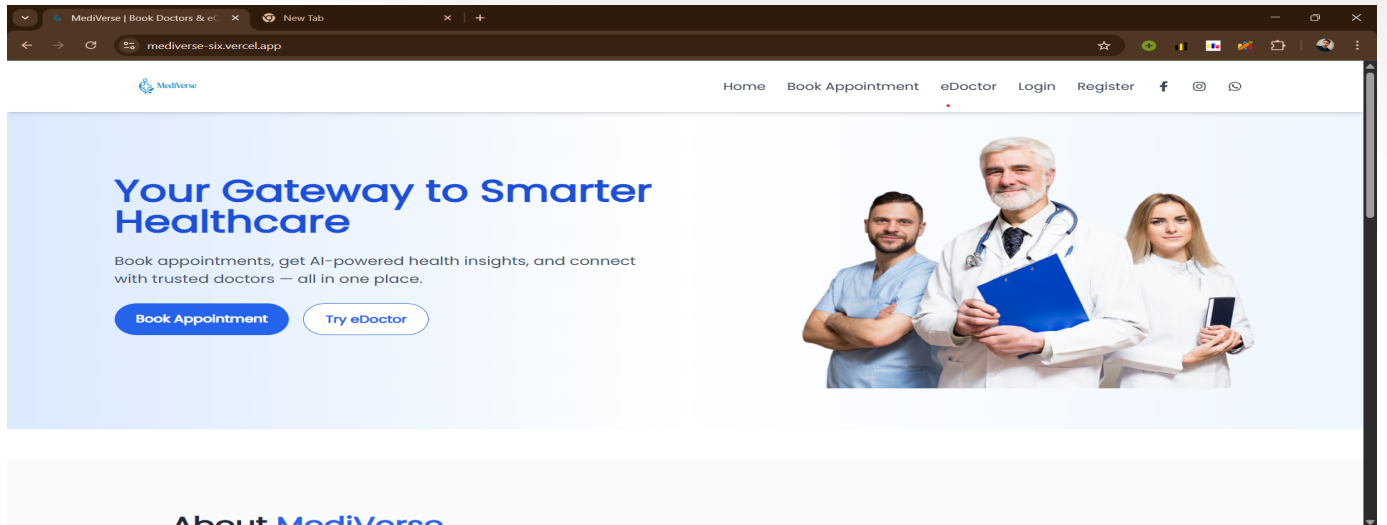
Cloud Deployment

Fully deployed on Vercel (frontend) and Render (backend) for global accessibility.

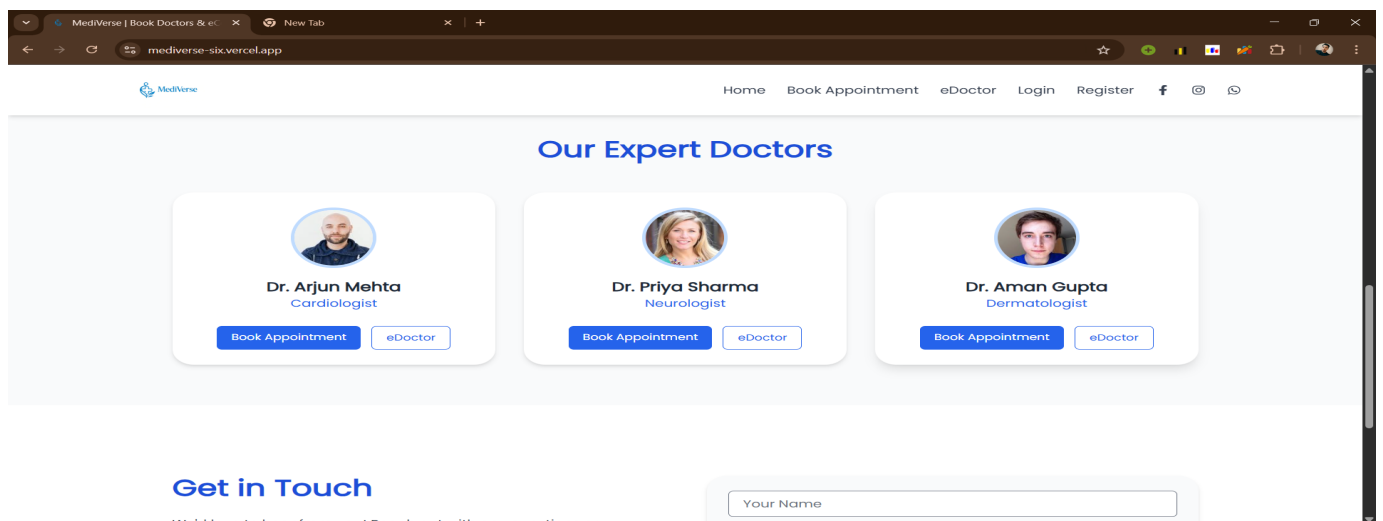
Technology Stack

| Layer | Technologies |
|-----------------|-------------------------------------|
| Frontend | React.js, Tailwind CSS, Vite |
| Backend | Node.js, Express.js |
| Database | MongoDB Atlas (Cloud) |
| AI Assistant | Cohere Generate API |
| Deployment | Vercel (Frontend), Render (Backend) |
| Version Control | GitHub |

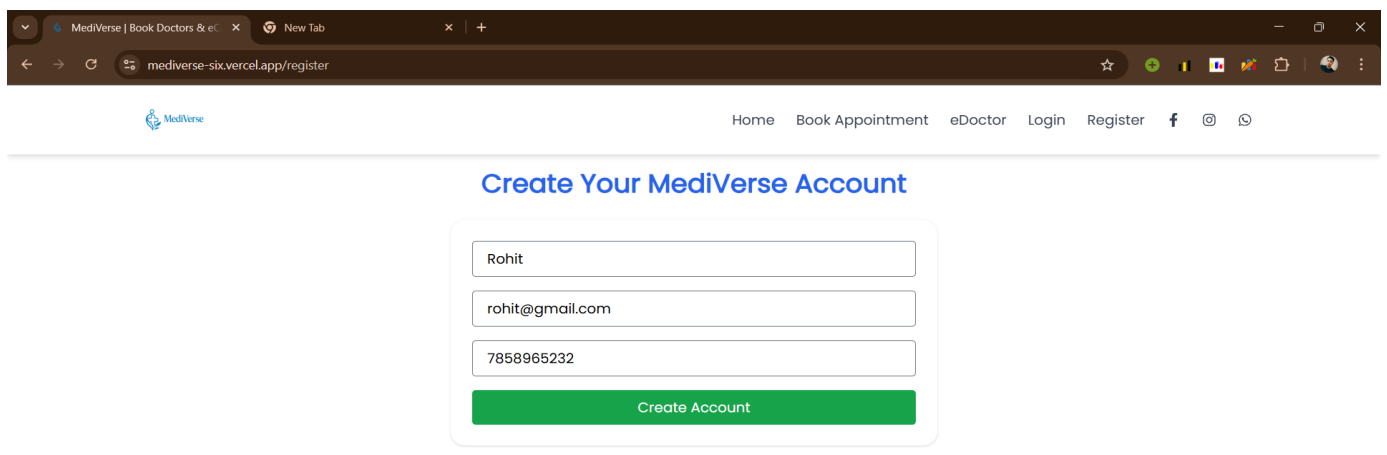
Application Screenshots



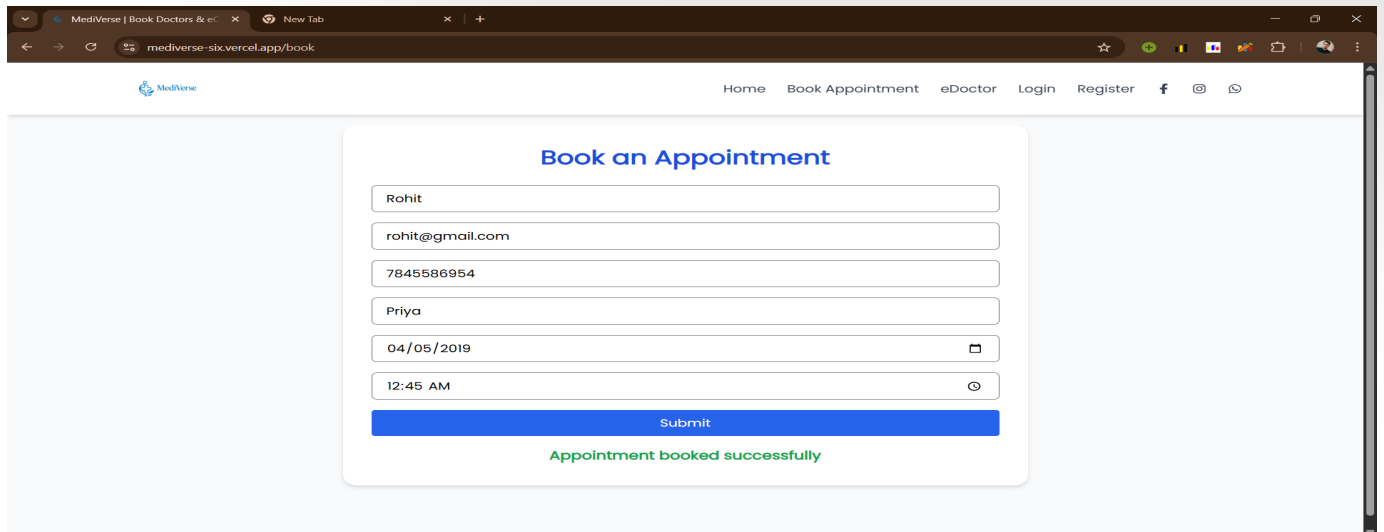
Homepage with Hero Section - Gateway to Smarter Healthcare



Expert Doctors Section - Choose from specialized medical professionals



User Registration - Create account with unique User ID generation



The screenshot displays a web browser window with the URL `mediverse-six.vercel.app/book`. The page features a navigation bar with links for Home, Book Appointment, eDoctor, Login, and Register, along with social media icons. The main content area is titled "Book an Appointment" and contains a form with the following fields: Name (Rohit), Email (rohit@gmail.com), Phone Number (7845586954), Doctor Name (Priya), Date (04/05/2019), and Time (12:45 AM). A blue "Submit" button is located below the form. A green message "Appointment booked successfully" is displayed at the bottom of the form.

Appointment Booking - Connected with backend API and MongoDB

How eDoctor AI Works

Input

User enters their name and describes their symptoms in detail.

Processing

MediVerse calls the Cohere AI API to analyze symptoms and generate medical insights.

AI-Generated Output Includes:

Diagnosis

Medicines (name, dosage, duration)

Precautions

Next Steps

Application Demo Flow



1 Register

Create your MediVerse account and receive a unique User ID for future access.

2 Login

Access your personalized dashboard using your credentials.

3 Book Appointment

4 Use eDoctor

Select your preferred doctor,
choose date and time slots.

Get instant AI-generated health
advice and medical insights.

5 View History

Access your appointment history
and medical records anytime.

Live Demo & Links

Live Frontend

mediverse-six.vercel.app

Backend API

mediverse-gl5.onrender.com

GitHub Repository

github.com/rharsh9162/mediverse

Project Architecture

| Component | Platform | Status |
|----------------------|---------------|-----------|
| Frontend Application | Vercel | Live |
| Backend API | Render | Live |
| Database | MongoDB Atlas | Connected |
| AI Integration | Cohere API | Active |

Learning Outcomes & Achievements

Full MERN Stack Implementation

Third-Party API Integration (Cohere)

Cloud Deployment with Environment Variables

Professional UI/UX with Tailwind CSS

Real-time Data Storage with MongoDB Atlas

RESTful API Development

Authentication & Authorization

Responsive Web Design

Technical Skills Demonstrated

This project showcases proficiency in modern web development technologies, cloud deployment strategies, AI integration, and full-stack development practices essential for building scalable healthcare applications.

Thank You!

Questions & Discussion

Let's Connect:

harshraj.dev@gmail.com

LinkedIn

GitHub: rharsh9162

MediVerse - Transforming Healthcare Through Technology

Bridging the gap between patients and healthcare providers with AI-
powered solutions