

PROJECT ABSTRACT

20MCA246-MAIN PROJECT

MediMingle

Smart Doctor Suggestion and Booking System

Project Guide:

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MediMingle

MediMingle: Smart Doctor Suggestion and Booking System In the era of modern healthcare, efficient doctor-patient interactions are essential for timely and accurate medical care. "MediMingle" is a sophisticated web-based platform designed to address this need by offering users a seamless experience in finding suitable doctors based on their symptoms and booking appointments.

Front-End: HTML/CSS, BootStrap

Back-End: Python-Django

Key Modules

- Doctor (user)
- Ordinary User (Unregistered user)
- Patient (user)
- Admin

Ordinary User

- Registration
- Symptom Analysis

Doctor

- Registration/Login
- Manage profile
- Manage Slot booking
- Accounts
- Manage Case sheet
- Messaging
- Appointment Reminders

Patient

- Registration/Login
- Manage profile
- Search doctor
- Ratings
- Doctor Booking
- Notification
- Messaging
- Symptom Analysis

Admin

- Login
- Manage Doctor
- Manage Patient
- Manage Appointments
- Notification
- Messaging

Symptom Analysis:

- Collection of user-provided symptoms.
- Validation of symptom data.
- Preparation of symptom data for further analysis.

Symptom-to-Doctor Matching:

- Analysis of user-provided symptoms to determine relevant medical specialties.
- Accurate matching based on predefined rules or machine learning algorithms.

- Recommend doctors to the user.

Appointment Management:

- Rescheduling of appointments based on availability.
- Appointment cancellation with advance notice.

Reviews and Ratings:

- Submission of reviews and ratings by users after appointments.

Admin Dashboard:

- Doctor profile management, appointment tracking, and user account oversight.

Payment Integration

- Implementation of Payment for booking