HackStack.'22

Team Fuzzy Logic presents

Medico

One-stop solution for all your health needs

Motivation

The major motivation behind this project is the lack of healthcare services in the rural India. More often than not, if a person suffers from a disease, or a medical condition, they have to travel 2-3 hours to the nearest cities to access even basic healthcare. The situation is even worse for the villages. In emergency situations, when every minute is important to save the lives of the patients, this becomes a major problem, and many times results is the loss of lives. We want to make healthcare more accessible to everyone.

Our Inspiration

1

The lack of information combined with the lack of support and resources has been the fire that has fuelled us to build Medico for the rural Indian population.

Taking for example, something as simple as menstruation which is a normal body process is treated as something embarrassing or rude, leading to a lack of support for women and girls, especially for focused groups in rural India.

Moving forward, we would like to make Medico, a one-stop solution for the healthcare services. Our scope includes providing accurate information regarding medical conditions, creating an online community where people can support and interact with each other and online doctor consultation facility.

2

Problems

- **Medical Illiteracy**
- **Lack of Communication**
- **Lack of Awareness**
- **Lack of Support**
- **Language Barrier**

Our Solution

1. Healthcare Services

Medico aims to provide rural people from all walks of life easy access to health care resources so they can receive the care they need without any constraints.

2. Building Insights

To keep every person updated about their health, we will generate quantifiable reports to get actionable insights and help the patient take informed decisions.

3. Consultation

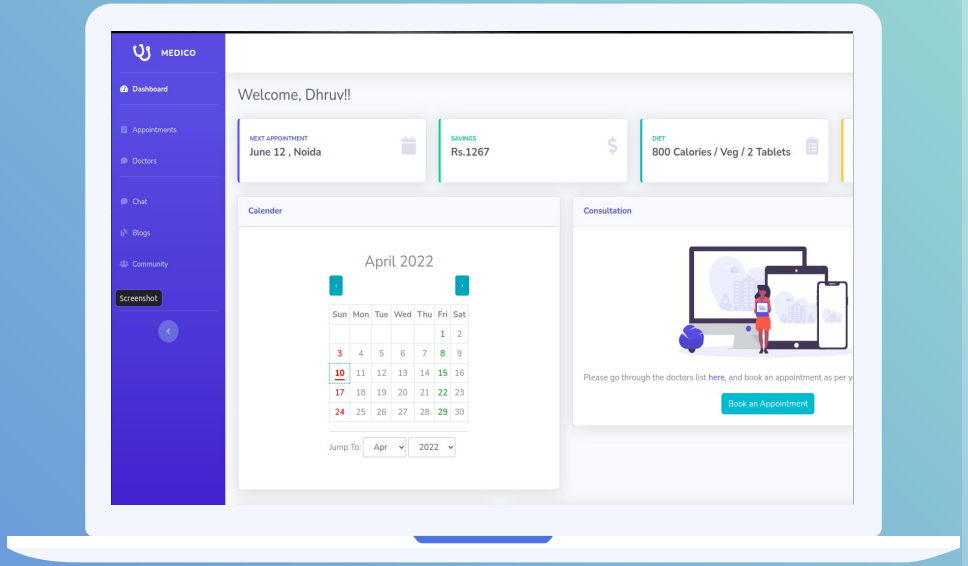
Medico's first aim will be to provide affordable consultation services to the patients seeking it through the application where they can schedule calls and get advice.

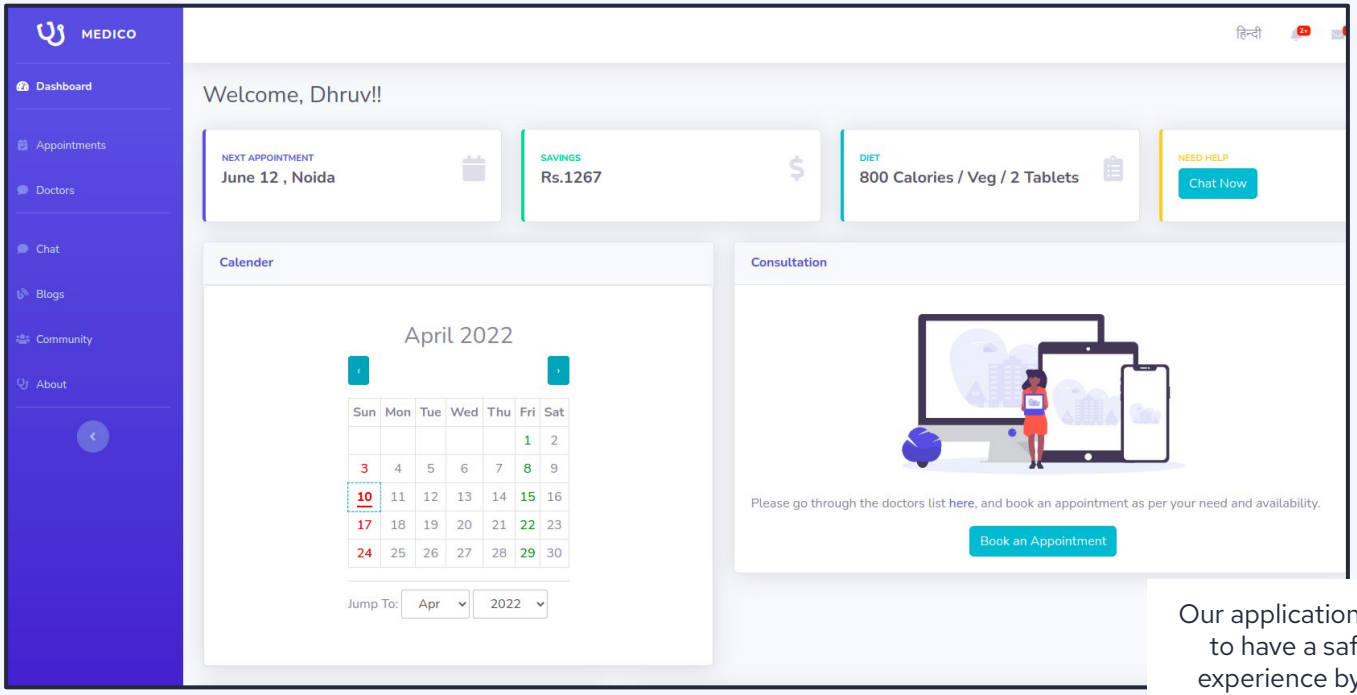
4. Awareness and Support

Our application will put forward a one-stop solution to provide the requisite resources and support in the form of blogs and a discussion form so the patients feels connected.

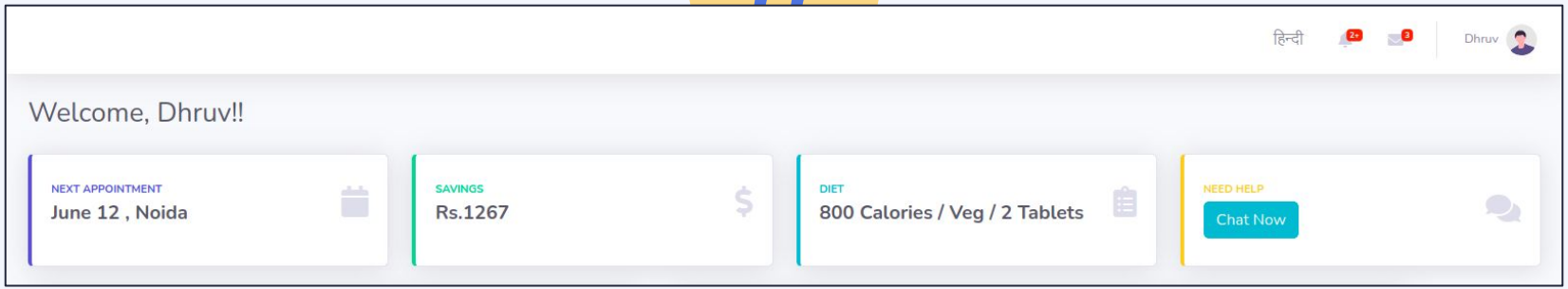
Notable Features

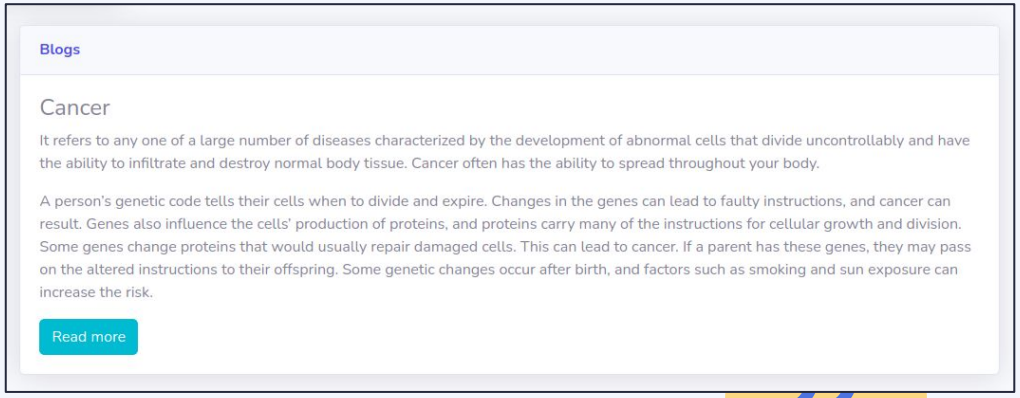
- Consultation Services
- Online meeting platform
- Personal Health Tracker
- Chatbot assistant
- Discussion forum support
- Blogs and Articles
- Awareness campaigns through videos
- Native Language Support in Hindi
- Healthcare literacy



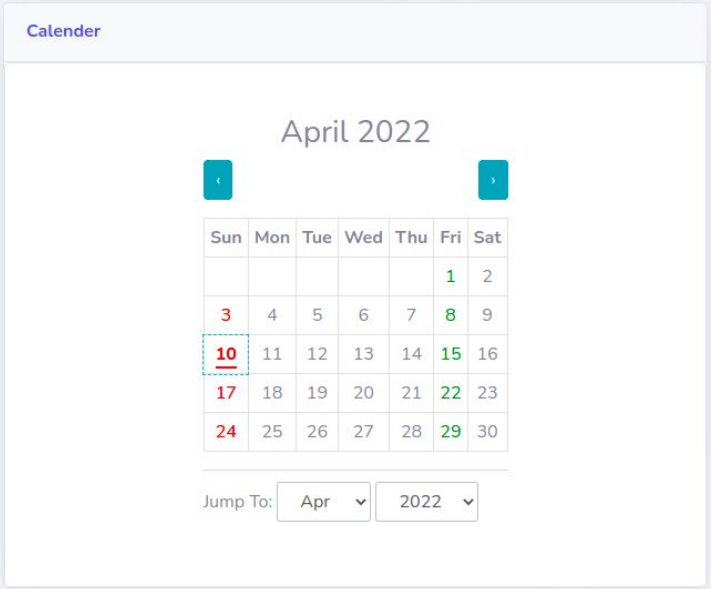


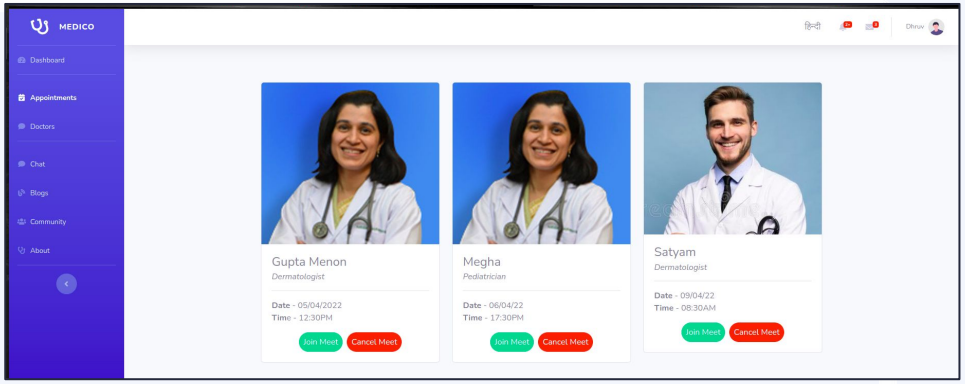
Our application will allow the patient to have a safe and comfortable experience by leveraging verified authentication using backend technologies for no outside party to intrude!
This will provide the user with an inclusive environment to keep a track of their health and seek help!





Our Website is fully functional and responsive!

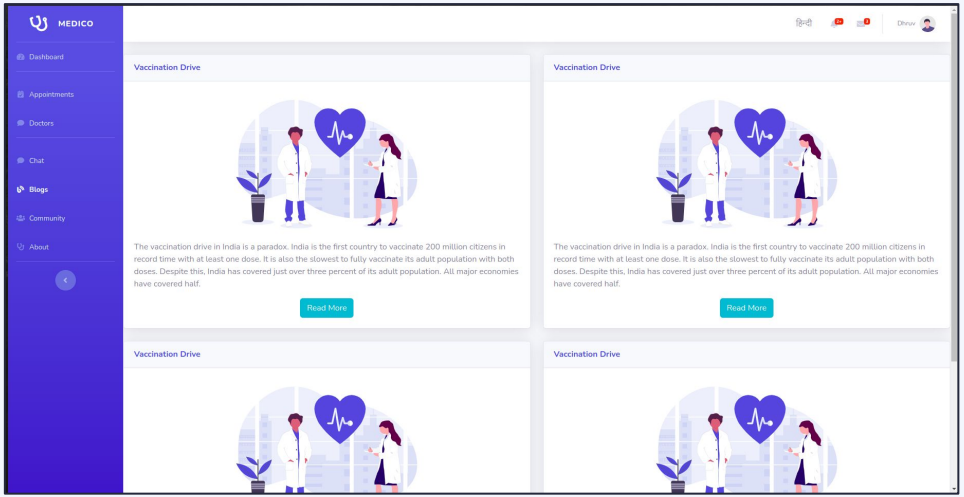


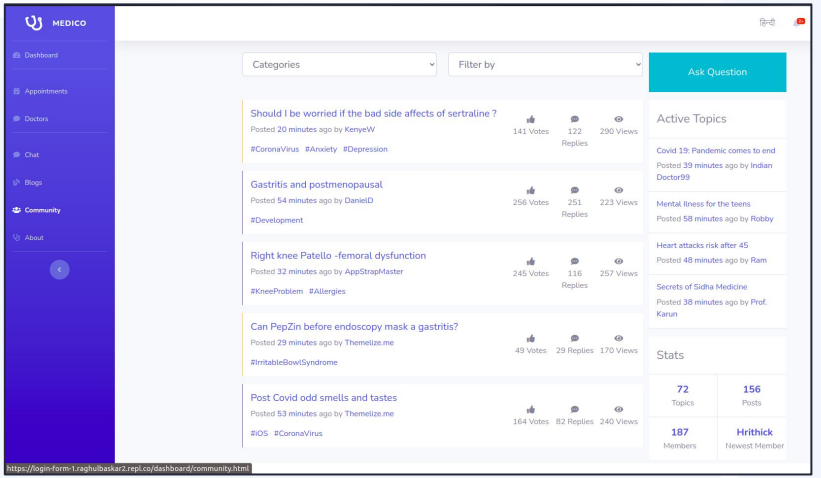


Consultation Services!

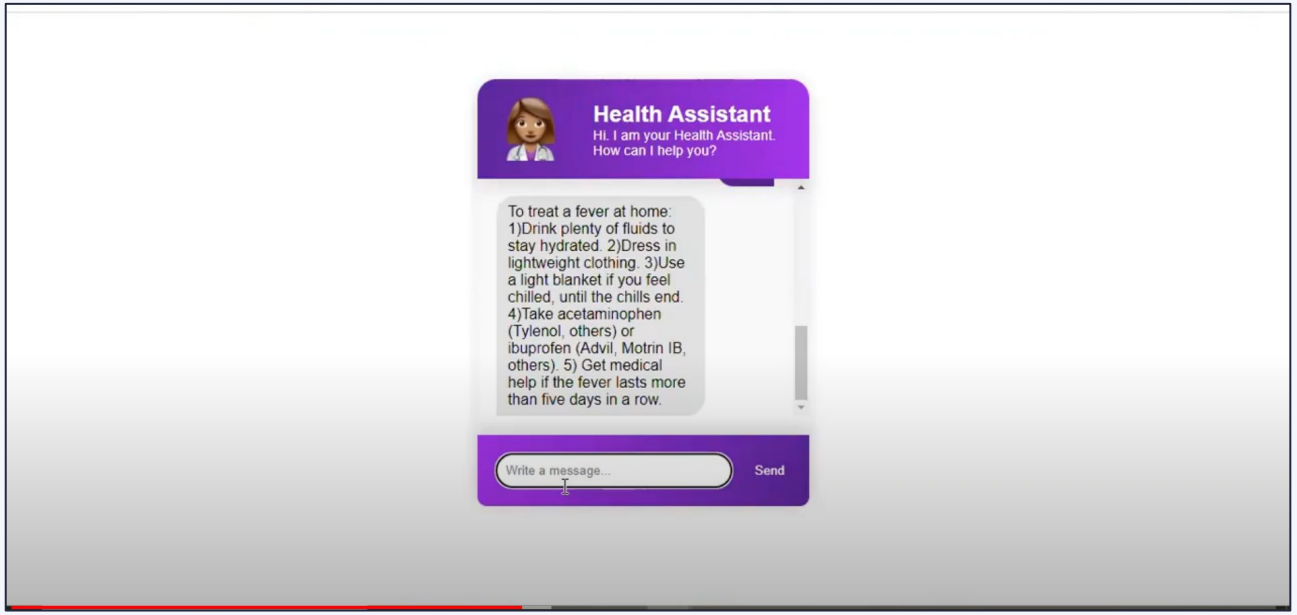
An in-built calendar feature will allow the patient to schedule consultation meetings with their doctors (also available on the website) to seek help at nominal charges!

Community Support!





ChatBot Assistance!



Challenges we faced!

We didn't have any experience in Business Models!

We worked extensively with the deployment of the Machine Learning Model for the ChatBot for native language assistance

We have never used any database or backend framework before, so it was a new domain for us to explore!

We wanted to understand the pain-points of the rural population on a more holistic basis when it comes to healthcare so we devoted our time to that as well!

How we built it?

Frontend:

- HTML
- CSS
- SASS
- Bootstrap
- Javascript

Backend:

- Django
- MySql

Chatbot:

- Flask
- TensorFlow
- Python
- Numpy
- Pandas

What are we most proud of?

We successfully created a website that provides resources to the most marginalized sections of the society for all their healthcare needs and get access to the best services at a nominal rate!

We have implemented the core features of the project in less than 36 hours!

Future Scope

Report Generation

Based on the information provided by the user and consultation via the doctor, we will be evaluating the patient and data collected will be holistically developed into a detailed report to be sent to the patient to access their condition holistically!

We are extremely passionate about Medico and want to expand on it in the future!

Social Media Presence

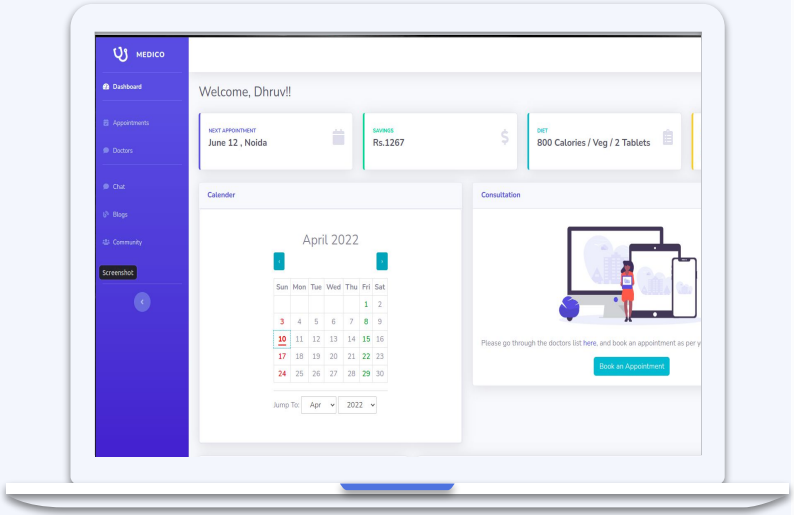
To increase the social media presence of Medico, we will be allowing APIs to send automated messages after the consent of the user to increase the presence on various platforms!

Speech Recognition

Using Speech Recognition APIs and techniques, we will be able to help patients with verbal other disorders to communicate more effectively!

Thank you!

Developed by:

Team Fuzzy Logic

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