



















PROBLEM STATEMENT

Despite having Africa's largest economy, Nigeria has a high poverty rate, with only the wealthy having access to adequate health care while the poor are commonly seen self-medicating due to the high cost of medical bills and poor quality of care/attendance in public hospitals. The World Health Organization recommends a doctor-patient ratio of 1:600, yet figures show that Nigeria's doctor-patient ratio is 1:5000 for a population of around 200 million people. This poses a great problem for the average Nigerian to quality healthcare.



CONCEPT

Drect is an AI-integrated telemedicine healthcare solution with the goal of providing better healthcare to the less fortunate while also providing more job prospects for doctors in Nigeria and other developing countries.











HOW THE SOLUTION WORKS

Drect, at its core, is a platform that allows patients to schedule online consultations with doctors. However, it is also an AI(Artificial Intelligence)-powered solution with edge computing capabilities that can be coupled with an IoT device for real-time vitals monitoring, sleep tracking, medicine reminders, and a variety of other functions. Edge computing ensures the security of sensitive data sent between patients and healthcare providers.

The website also offers an individualized AI-powered chatbot capable of performing basic diagnostics and also serves as a virtual assistant to both patients and doctors.

With Drect, a patient may also choose to hire a personal doctor. In the event of abnormalities in patient vitals detected by the IoT device, an emergency signal is issued to both the patient and the doctor.



TECH STACK

- Django
- Bootstrap
- ReactJS
- PostgreSQL
- redis
- Tensorflow
- AWS











TEAM MEMBERS



Aberejo Habeeblah Oladipupo

Abdulmajid Mahadi Sheriff

Agboola Olamide Aishat





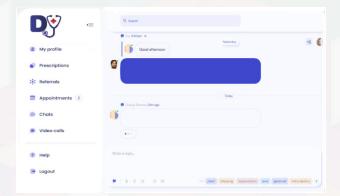






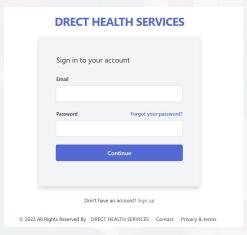
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Welcome to Drect

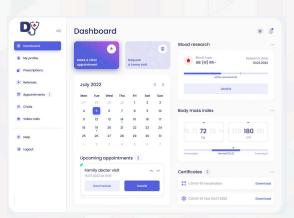


Patient conversations with doctor





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