

# **HealthConnect: Multilingual Smart Healthcare Management Application to Improve the Interaction between the Patient and a Doctor**

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**Abstract:** Healthcare systems in towns and rural areas have a lot of problems. For example they do a job of handling appointments medical records are all over the place people speak different languages and it is hard for people to get medical help from far away. HealthConnect is a way to manage healthcare that can help with these problems. It is a website that people can use to talk to their doctors and manage their care. The people who made HealthConnect used tools like React.js, Vite and Supabase to build it. This means that patients and doctors can now talk to each other easily. Patients can make appointments. Everyone can see what is going on. Doctors can also give patients prescriptions and medical records are kept safe. HealthConnect is trying to make healthcare better, for people who live in towns and rural areas. The HealthConnect platform has two dashboards, one for patients and one for doctors. This makes it easy for HealthConnect users to use and understand. HealthConnect is available in two languages, English and Marathi. This means people who do not speak English can use HealthConnect too. HealthConnect also has a computer program that can talk to users it is like a robot that can give health advice and help users find what they need. Users can even have video meetings, with doctors using Google Meet, which's a safe and secure way to meet online. This paper presents the design, methodology, implementation, and outcomes of HealthConnect, highlighting its potential to improve healthcare accessibility, efficiency, and patient engagement.

**Keywords:** Supabase, Health, Rural, Multilingual