**MAIN PROJECT : ABSTRACT**

**Medical Artificial intelligence Chat bot - Xara.**

**Submitted by,**

**Aryasree S**

**S6RLMCA**

**Medical Artifical intelligence Chat bot - Xara.**

Xara is a mobile application that is going to be built on Google Android platform. The App is aimed to empower Patients with personalized diagnostic insights.  Xara is a chat bot integrated with a centralized AI engine called Infermedica. Infermedica is a third party AI Engine who helps to easily build intelligent diagnostic applications for patients and healthcare providers.

Infermedica provides an API for patient triage and preliminary medical diagnosis that can help us to implement an intelligent symptom checker or an adaptive patient intake form for the health application.

While the proposed application "Xara" sends patient’s health data  (such as symptoms, risk factors)via its User interface, the AI inference engine will analyse the data and provide the application with a list of likely conditions and relevant observations to verify. This is possible thanks to sophisticated statistical algorithms that AI use to perform diagnostic reasoning.

The medical database of Infermedica is meticulously assembled and carefully curated by a board of medical experts, our proposed application "Xara" is intended for informational and educational purposes only and shall not be treated as a doctor's advice, a medical consultation, or a diagnosis.

**Development Process**

Overall development process Consist of three major activities.

1. Application design and UX development,
2. Backend integration with Infermedica.
3. Quality assurance or testing

***Application design and UX development***

* Design app interface.
* Multiple device compatibility.
* Integration of art works
* Usability and aesthetic works on ui

**Frond End**

Google Android UX

**Tools**

Android Studio - IDE for Android

**Back End**

Infermedica REST APIs

***Description-*** It is a standard web service that accepts GET and POST requests. All responses (including error messages) use the JSON format. POST requests also take JSON inputs