



SANUS

SANUS - A CADx



The best CADx platform you have ever used



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Overview



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- Our solution at first is to design a centralised database system. To resolve this we have created an App which has two types of user first being the hospital authorities other being other normal users.
- All users data in the same city as of the hospital is accessible with some restriction on the amount of user data visible to hospital authorities.
- The user data can be shared using secure links by use of qr code. By this way an user might not be carrying all the medical documents but can show this app data instead which reduces the risk of documents getting lost while treatment or checkup.
- The second point of the problem statement was to provide a digital assistant to users, to resolve the same we have implemented a normal chatbot which will trigger some responses to ask users to go for check up and also provide contact of respective doctors.
- Along with this we are also providing instant checking of MRI images, Xray, Blood Cell Image, Skin Image for various key diseases using Deep Learning and Machine Learning.



Understanding the problems



- 01 Enabling a patient-centered information exchange system.
- 02 Personal medical assistant.



Project Objective



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- To provide free medical assistant to the people.
- To give them a personalised report, to get a summary of their diagnosis.

Target Audience



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Our target audience are the people who want fast medical checkups. As we all know, internet is available to everyone and anyone can go and conduct test.

Doctors who want to recommend patients for their illness online as the process will be more easier with no loss of any medical documents





Our Services



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1. Malaria Detection
2. Brain Tumor Detection
3. Heart Disease Prediction
4. Pneumonia Detection
5. Skin Cancer Detection

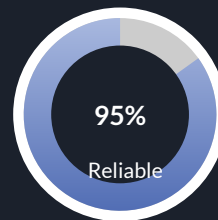
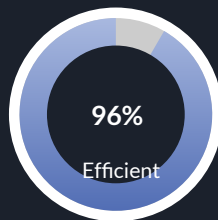
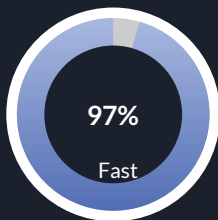
[Website Link](#)



Unique Features



1. User Friendly.
2. Get instant report of the diagnosis.
3. Light Weighted Machine Learning and Deep Learning Models.
4. Provides a multiplatform support.



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Future Aspects

- To use Docker so that it becomes more scalable.
- To add new diagnosis features.
- To recommend nearby hospitals and doctors to the patient.



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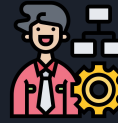
Tech Stack



1. Html5, Css3
2. ReactJs
3. NodeJs, ExpressJs
4. MongoDB
5. Tensorflow, Keras
6. Flask
7. Flutter, Dart
8. DialogFlow
9. Digital Ocean



Working Model: Sanus



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- We also have cross platform sharing of data which will allow people to share their health report to doctors for more effective and quick check up.
- We also have centralised database so we would have accurate and persistent data across all platform.
- We also will be using a chatbot system to make app more user friendly and also help user for appointments and facts and Do's and Don'ts.
- All data are available to doctor in same city so that reatement and checkups will be more easy.





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Thank you!



Screenshots of the App