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## INTERNAL PROJECT

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### **Required Skills:**

Machine Learning, Natural language Processing, Web dev to make a working tool

### **Preferred Team Communications:**

Webex and Conference Call

### **Data Sources:**

Georgia Tech synthetic data, public available datasets

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## CHATBOT TO FIND DOCTORS AROUND ME

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For someone who is new to the city, it's pretty challenging to find a doctor according to their preference. Find the doctors in the locality and rank them in different buckets. Practitioner data can be used for it. Use NLP to understand the patient reviews and recommendations that were sent to the doctors. This can then be used to bucket them and provide a score. There can also be a chatbot that will communicate with the users to help them find what they are looking for.

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## PROJECT OBJECTIVES

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- Mine patient reviews using word2vec or LDA
- Come up with a scoring methodology
- Create a chat bot with any open source package to communicate with users and recommend a doctor.

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## SUCCESSFUL PROJECT

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A user interface where a patient can talk with a chatbot which will take his requirements and suggest a doctor. It can provide a ranked list of doctors.

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**Intellectual Property:** Project involves a government agency so the resulting project is made available to the public. Students do not own IP. Students will be recognized as contributors.