
ISHAN KAUL

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Required Skills:

no preference

Preferred Team

Communications:

Conference Call, to be discussed

Data Sources:

FHIR server data, GT synthetic data

Other Items:

Project has time zone flexibility.
Mentors and students will determine a good time for virtual meeting

Team Info:

Developer(s),Project Manager,QA

INVENTORY MANAGEMENT OF MEDICINES

We can build a utility tool to help better inventory management of pharmacies. We already know the medications of each patients, which we can use to understand demand for medicines in a certain region and the pharmacies and stock the inventory accordingly. We can also do trend analysis to see if demand for certain medications is increasing and act accordingly.

PROJECT OBJECTIVES

The objective is to gauge demand for medications through FHIR data for better inventory management. We can also do data analysis/machine learning to predict demand for the future.

SUCCESSFUL PROJECT

A successful project should ideally achieve the following milestones:

1. Framework for aggregating patients according to nearby pharmacies.
 2. Build intuitive UI for immediate understanding of demand (top meds, medications for severe conditions, trending meds).
 3. Data analysis on time-series data of inventory.
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Intellectual Property: None