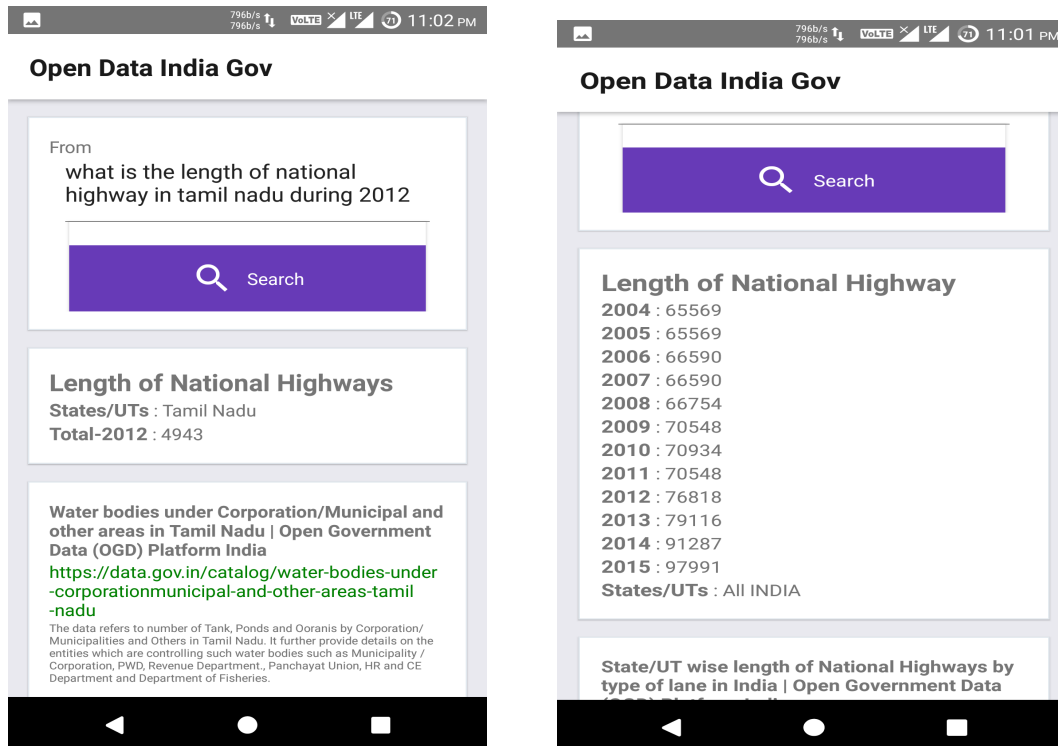


## Project: Open Data Smart Search Engine

Open Data Smart Search Engine is a tool to search open gov data in smarter way.

Our advanced features include AI in order to understand a user query and produces instant Answer.

These data are taken from data.gov.in from serveral CSV files and generates an AI index to respond answer to users query.



## Backend

Our backend is written in Java

It includes three main parts(**Crawler,Indexer,Searcher**)

Crawler will download the entire data.gov.in and stores in local database

Indexer will index the documents (including CSV files) and generated AI queries

Searcher searches the indexer and respond to user query.

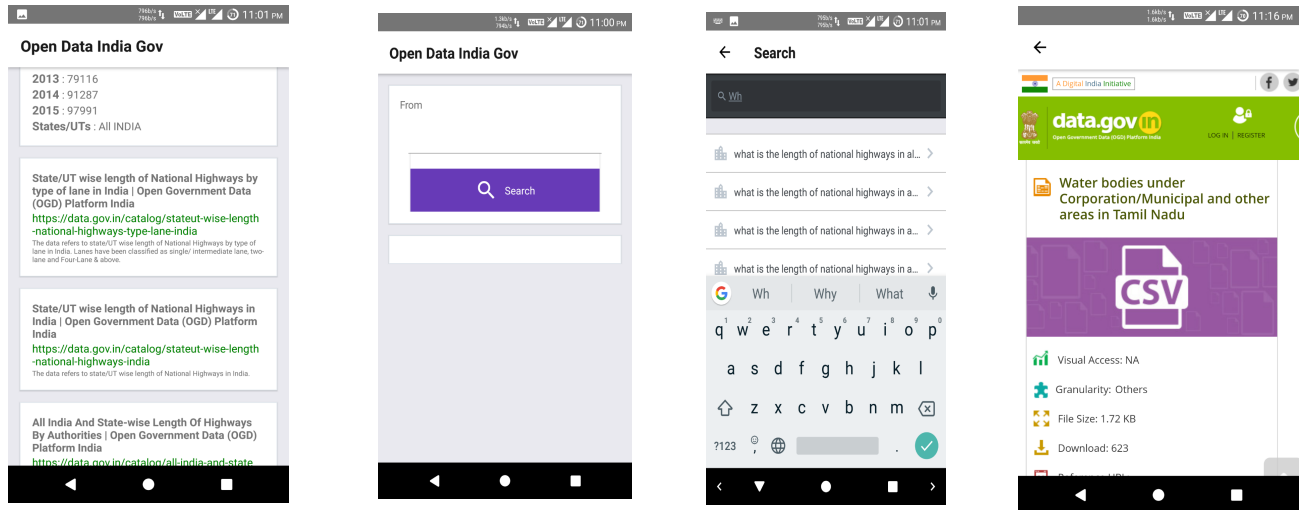
## FroundEnd(App)

Our app will search you all the documents in data.gov.in and gives you an exact Data and related

links if you need further information.

Our app is written using React Native (open source JavaScript library to write app in JavaScript which is used by FaceBook)

Since our app is written in React Native it can be compiled in to **IOS and Android** without modification of any code.



## Technology Used

React native(for Android and iOS app)

Java (for crawler, indexer,searcher)

Cassandra(for crawler storage)

MySQL (backend Storage)

Apache Lucene(For index)

SparkJava(for Backend server)

