CMPE 272 TERM PROJECT

Team 6 - FundGalaxy

By: Anupriya Rentala, Anay Dilip Naik, Jie Liu and Janaarthana Harri

Problem Statement

- Funding is crucial for all early and mature startups.

- Investors have their own platforms for VC/Angle/Crowdfunding.

- No aggregated platform as of now.

- Startups can get access to investors.

Solution

- Leveraging the enormous capabilities if technology to make VC/Angle/Crowdfunding accessible

  and ease the process of funding for everyone.

- Development of an online platform for Seed Funding/Venture Funding/Angel Funding for startups.

- Smart recommendation system.

Persona

Two primary personas:

- Startup/Companies: Major responsibilities include looking up investor and reaching out to investors, uploading relevant information documents, pitches, etc
- Investors: Major responsibilities include connecting with organizations, reviewing information, uploading paperwork, etc to their profile

Data

- Used realtime data from CrunchBase for webapp.

- Used datasets from CrunchBase to train recommendation model.

- Crunchbase is a platform for finding business information about private and public companies,

  including information about investments, investment domains, funding etc.
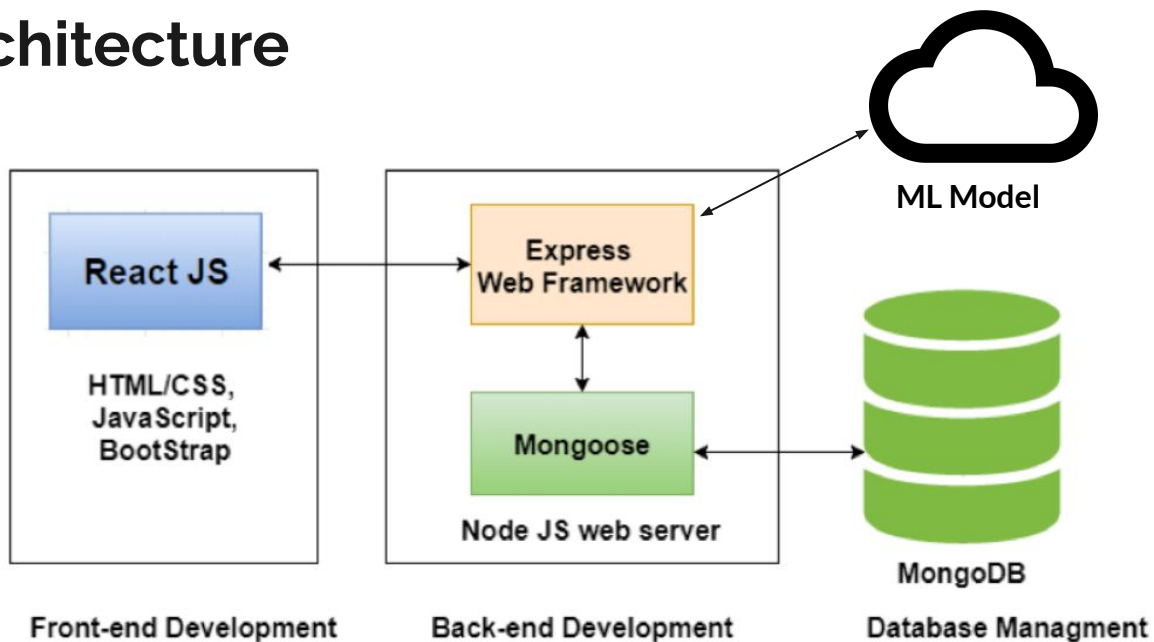
Tech stack

Frontend: **React.js**

Backend: **Express.js, Node.js, Mongoose**

Database: **MongoDB**

Deployment Service: **AWS**(web app deployment), **heroku** (ML model deployment)

ML Model: **Python**

Architecture

ML Model

React JS

HTML/CSS,
JavaScript,
BootStrap

Express
Web Framework

Mongoose

Node JS web server

MongoDB

Front-end Development

Back-end Development

Database Managment

Recommendation System

Smart search:

- Used content based recommendation system for this functionality.

- Count Vectorizer to get the vectors of categories column.

- Tfidf Vectorizer to get vectors of description column.

- Combine both and get the similar results from calculating the cosine similarity.

DEMO

link

Future Scope

- Smart search functionality.

- Ability to fix meetings, upload documentation, review paperwork, etc.

- Notification system where in the other party will be notified of an action via email and text message.

- E-learning module: Organizations can subscribe to various courses/tips and tricks etc for making a pitch, ROI documents, etc.