TEAM 74

Provided Solution for - SusMafia

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OUR TEAM

- SusMafia are on a quest to make sustainability the default choice for everyone.

- They aim to broaden the reach and clientele of companies that have established partnerships with them.

- One of the biggest problems faced by most sustainability start-ups is the lack of sustainability-focused employees. SusMafia receives multiple applications for a given role, but only a handful of these applicants are qualified and have the ability to fulfil the role efficiently.

- Additionally, as the members of SusMafia are predominantly start-ups, they do not have the time and resources to carry out the incommodious task of filtering and hiring talent.

- SusMafia is looking for a solution that makes the task of identifying and filtering talent fun and efficient.

- Build a creative tech-based solution that helps hiring managers match with the top talent for their role requirements. Imagine how this solution could help both candidates find and understand what they are applying for and managers easily find the top qualified candidates who are interested in the roles across multiple professions.

PROBLEM STATEMENT

SENTIMENT ANALYSIS-
Currently we are doing rule-based Sentiment Analysis using the dictionary created by Finn Arup nielson known as AFINN.

SCORE CALCULATION-
40% sentiment analysis (0 if negative, 20 if neutral and 40 if positive) +
60% is the average of 10 MCQs.

PLAGARISM CHECK (spam/bot deletion)-
Users without the referral code having the same exact answers will not be permitted into the system.

BUMBLE FUNCTIONALITY-
Employer (and Employee-future scope) has the option of accepting or rejecting the screened applications using swipe feature.
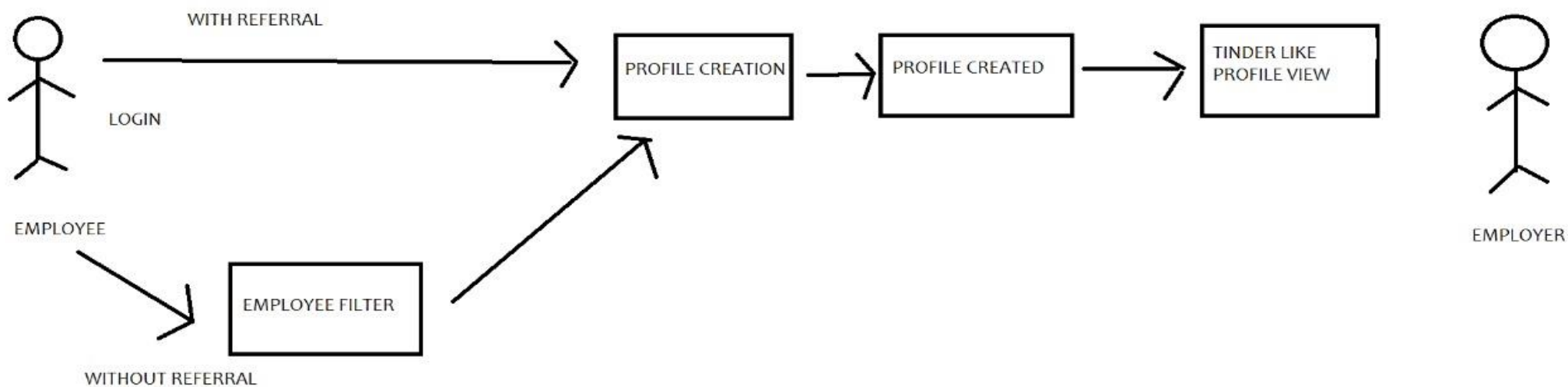
ML MODELS-
We have already created 2 BiLSTM models on reddit and twitter sentiment analysis dataset giving an accuracy of 90% and 75% respectively.
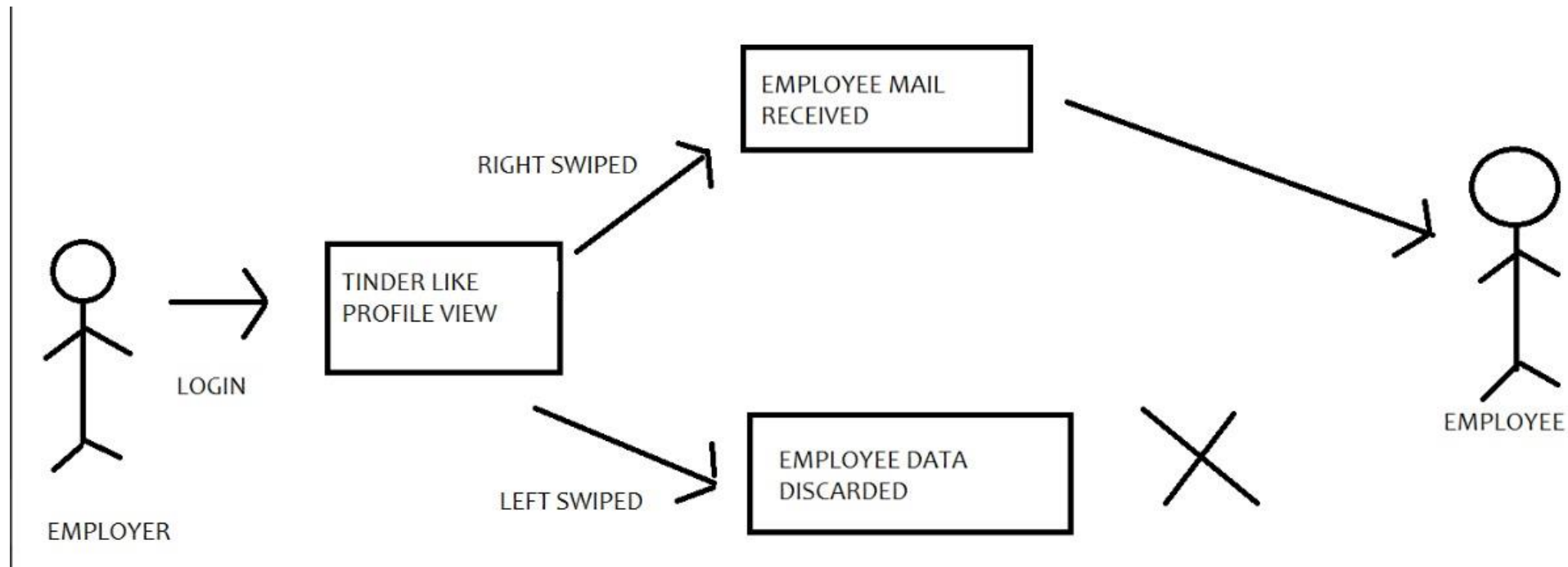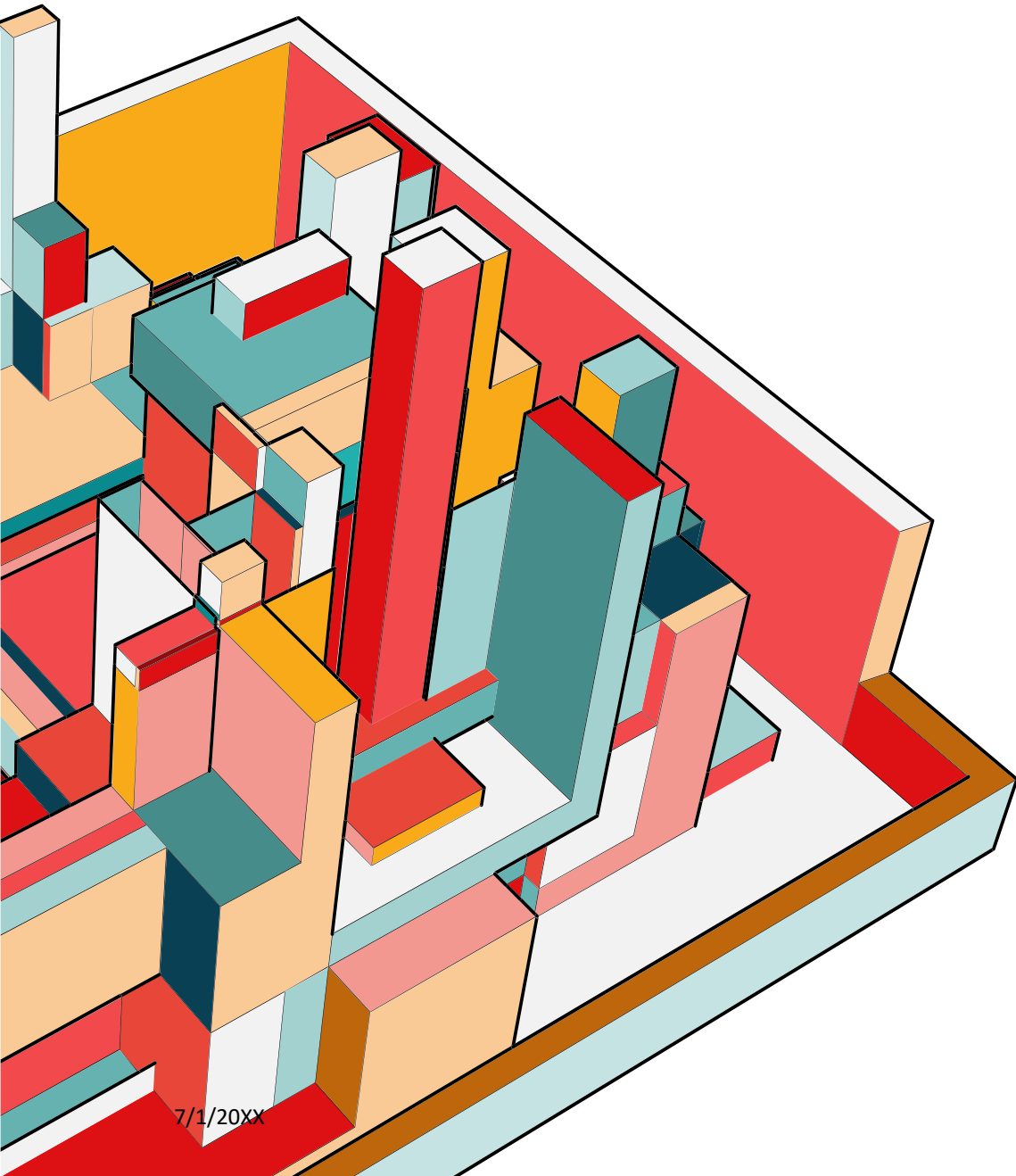
TEAM -74 INNOVATIVE COMPONENTS

WORKFLOW-

Employee View

Pitch deck title

WORKFLOW-

Employer View

FUTURE SCOPE

- Currently we are doing rule-based Sentiment Analysis using the dictionary created by Finn Arup nielson known as AFINN. We have already created 2 models, but the a few problems arose in the integration of 1 of the models with the frontend, While the other model took nearly 5 hours to complete a single epoch. Upon proper training of both the models they should give an accuracy of 90%+ which can be reintegrated into the model for better prediction of score.

- Adding of the "Bumble Functionality" to the Employee side of the dashboard.

- We are already collecting data of the users trying to enter the application. The next step would be to create the Admin dashboard to display the final list of candidates given access to the hash and those denied.

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THANK YOU

-hope this solution solves the issue

Pitch deck title