

Project Initialization and Planning Phase

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| Date | Nov 2024 |
| Team ID | Team-739663 |
| Project Name | AI-Enabled Candidate Resume Screening using NLP |
| Maximum Marks | 3 Marks |

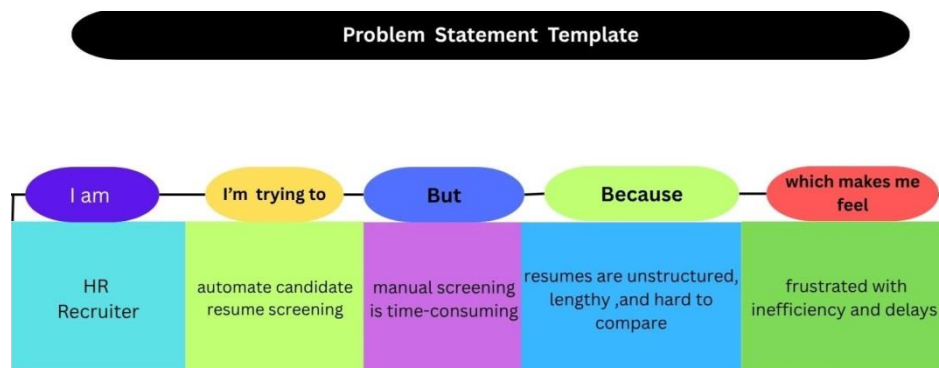
Define Problem Statements (Customer Problem Statement Template):

Recruiters and hiring managers often face challenges in efficiently screening large volumes of candidate resumes, leading to time-consuming and error-prone hiring processes. There's a need for an AI-enabled, automated system that utilizes Natural Language Processing (NLP) to accurately extract, analyze, and match candidate profiles with job requirements—reducing manual effort and improving the quality of candidate shortlisting.

| | | |
|----------------------------|--|---|
| I am | Describe customer with 3-6 key characteristics - who are they? | Describe the customer and their attributes here |
| I'm trying to | List their outcome or "job" they are doing - what are they trying to achieve? | List the thing they are trying to achieve here |
| but | Describe what problems or barriers stand in the way - what do they face? | Describe the problems or barriers that get in the way here |
| because | Enter the "root cause" of why the problem or barrier exists - what needs to be solved? | Describe the reason the problems or barriers exist |
| which makes me feel | Describe the emotions from the customer's point of view - how does it impact them emotionally? | Describe the emotions the result from experiencing the problems or barriers |

Reference:

Example:



| Problem Statement (PS) | I am | I'm trying to | But | Because | Which makes me feel |
|-------------------------------|---------------------|--|--|--|--|
| PS-1 | Recruiter | shortlist the best-fit candidates from a large pool. | manually screening resumes is time-consuming and inefficient | there is a high volume of applicants and limited time to assess each one | overwhelmed and pressed for time |
| PS-2 | HR professional | match resumes with specific job requirements | many resumes don't follow a consistent format | it's difficult to identify relevant skills, experience, and qualifications | frustrated and uncertain about accuracy |
| PS-3 | Hiring manager | improve the quality of hiring decisions | the current process lacks intelligent filtering and ranking mechanisms | resumes are evaluated based on keywords rather than actual relevance | concerned about missing top talent |
| PS-4 | Technical recruiter | automate the resume screening process | existing tools don't use deep NLP to understand context | they rely on basic keyword matching only | dissatisfied with the relevance of results |