Hope Artificial Intelligence

Scenario Based Learning

A company works with number of employees, all the work are dependent on the employees. Even if one of the employees resign the job immediately then assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problem. As an AI Engineer you must give Solution to this.

A) How will you achieve this in AI?

B) Find out the 3 -Stage of Problem Identification

C) Name the project

D) Create the dummy Dataset.

We can fetch LinkedIn and Nakuri profile link from Employees on their date of join itself. So now we can fetch data from this portal at regular 15 days which give some outputs of employees such as Recent Active/Non-active,Keyword-Searching for Job/Appearing for Interview, Resume uploaded date etc. this details are enough for our tracking.

1. So All above data fetched is text so i go with **NLP**
2. We have 3 input Keywords and Resume upload date may decide Looking for job shift or Not Shifting. so, i have stage as **Semi Supervisor - Classification (Based on 3 inputs we are deciding the output as below so it semi supervisor, only all 3 columns matches we predict the Status o/p)**
3. **Title - Employees Job Portal Tracker**
4.

EmployeeId	RecentActive	Resume uploaded On	Fetched Keywords	Status o/p
EMP001	Yes	02JAn2026	Appearing for Interviews	**Job shifting**
EMP002	No	15AUG2025	Exploring	**Not shifting**
EMP003	Yes	20Dec2025	Looking for Jobs	**Job shifting**

| EMP003 | No | 10Sep2024 | Looking for Jobs | **Not shifting** |