Hope Artificial Intelligence

Scenario Based Learning – Problem identification assignment

A company works with number of employees, all the works are dependents 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.

ANSWER:-

A) How will you achieve this in AI?
   - To predict which employee is likely to resign next from the company, I would first ask what employee details the company has. If they mention data such as experience, education, personal details, email, mobile number, LinkedIn profile link, payroll details, and documents, I would suggest a solution based on analyzing their LinkedIn profiles.
   - We can build a model that analyzes each employee's LinkedIn activity - for example, checking if they have marked themselves as 'open to work', 'immediate joiner', or haven't updated their job status.
   - Based on this analysis, we can predict which employees are more likely to leave the company in the coming month.

B) Find out the 3 -Stage of Problem Identification

   Stage 1 - domain: **NLP** (as the input is text (LinkedIn profile URL)
   Stage 2 - learning: **supervised** (as the input and output defined & Requirement was clear)
   Stage 3 – **Classification** (based on the label category)

C) Name the project

   AI prediction**: Employee Resignation Prediction**

   Call to action**: Employee "emp_name" , role "role_name" have chances to resign from the company**

D) Create the dummy Dataset.

If they provide LinkedIn profile of all employees as input (where most of MNC company will have, when they hire a candidate in the company)

Sl.no	Employee name	role	LinkedIn profile	label
1	John	HR	https://www.linkedin.com/in/john	Open to work
2	Elsa	admin	https://www.linkedin.com/in/elsa	Not updated
3	Benny	developer	https://www.linkedin.com/in/benny	Open to work – immediate joiner
4	ram	manager	https://www.linkedin.com/in/ram	Open to work – immediate joiner
5	Kajal	developer	https://www.linkedin.com/in/kajal	Not updated
6	rani	tester	https://www.linkedin.com/in/rani	Open to work