Hope Artificial Intelligence

Scenario Based Learning

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?
    - a. We can predict the employee attrition based on the input parameters and take call to action like when can we start the next recruitment process based on the hiring times or can talk to the employees before they left the job and keep in current position.
- B) Find out the 3 -Stage of Problem Identification
    - a. Domain - Machine Learning – Supervised - Classification
- C) Name the project
    - a. Employee Attrition Prediction

D) Create the dummy Dataset.

Employee ID	Age	Gender	EducationLevel	JobLevel	MonthlySalary	Department	WorkEnvironmentRating
1	25	Male	3	1	3000	Sales	2
2	32	Female	4	2	4000	HR	3
3	41	Male	5	4	8000	Engineering	4

JobSatisfaction	PerformanceRating	Attrition
2	3	Yes
3	4	No
4	5	Yes

Assumptions:

We have clear requirement to predict employee attrition

We have data set with input and output labels - previously exited employees.

So am choosing - ML - Supervised - Classification