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?

> We need to track the records of the total years of experience, opinion survey, last appraisal feedback and their quality of work (feedback from their respective managers)

B) Find out the 3 -Stage of Problem Identification:

> Stage 1 – Machine Learning
> Stage 2 - Supervised Learning
> Stage 3 – Classification

C) Name the project:

> **Employee Performance and Attrition Analysis**

D) Create the dummy Dataset:

S.No	Name	Emp. ID	Designation	No. of Years in Company	Current Salary	Expected Salary Fulfilled in last Appraisal
1	Raj	WI001	SDE – 1	1.5 Years	8 LPA	No
2	Sonu	WI002	SDE – 2	3 Years	12 LPA	Yes
3	Kavin	WI003	PM	5 years	15 LPA	No

Job Satisfaction	Manager Feedback	Critical Status	Final Prediction
6	8	Yes	Chances for resignation
4	7	No	No
8	6	Yes	No