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?
B) Find out the 3 -Stage of Problem Identification
C) Name the project
D) Create the dummy Dataset.

Answers

A) How will you achieve this in AI?

The problem identification for this scenario is “Who will resign next” and the call to action is “If the employee resigns who will be the alternative employee who replaces his/her role”.

I’m going to classify who is going to resign and not by
“If the employee’s work experience is greater than or equal to 10 years” that employee is going to resign and
Else the output is zero and no call to action for employees who are less than 10 years.

I observe that the input and output are defined. The output is categorical value.
So it comes under “Machine Learning & Supervised & Classification”

B) Find out the 3 -Stage of Problem Identification

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

C) Name the project

I want to name this project as “Resignation Tracker”

D) Create the dummy Dataset

Serial No.	Name	Designation	Years of Experience	Status	Manager Feedback	Total number of working days	Total number of day offs taken
1	Dinesh	Team Leader	12	Resign	Moderate	52,560	137
2	Gayathri	Sr. Recruiter	4	No	Good	1460	16
3	Maya	Designer	1	No	Good	365	3
4	Krishnan	Data Analyst	11	Resign	Poor	4015	124