Scenario based Learning

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.

1. **How will you achieve this in AI?**

* By gathering previous data about the employees performances , job satisfaction , salary and work life balance.
* Then I process this data to predict the employee Will Resign or Will Not Resign.

1. **Find out the 3 -Stage of Problem Identification**

**Stage-1:**

Machine Learning.

**Stage-2:**

Supervised Learning.

**Stage-3:**

Classification.

**The reason is the datasets are labeled that is (resigned or not resigned)**

**C) Name the project.**

**EMPLOYEES RESIGNATION PREDICTION(ERP)**

**D) Create the dummy Dataset.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Id** | **Age** | **JobRole** | **Salary** | **Job Satisfaction** | **Work Life Balance** | **Will Resign** |
| 001 | 30 | Software Developer | 55000 | 4 | 3 | 0 |
| 002 | 35 | Designer | 75000 | 3 | 2 | 0 |
| 003 | 28 | Analysit | 48000 | 2 | 1 | 1 |