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?

Collect the employee information from the company like performance, previous working history, package details from HR. Based on these details filter out high experience with low package, multiple company change is short period, performance and more than 2 years experience with base package.

We can determine who can be resign within next 30 to 90 days.

B) Find out the 3 -Stage of Problem Identification

Stage 1: Machine Learning

Stage 2: Supervised Learning

Stage 3: Supervised-Classification

C) Name the project

WhoisNext\_AI

D) Create the dummy Dataset.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee Name | Emp id | Total Experience | Current company experience | Salary | Time Tracking issues | Leaves | Manager Rating | No of companies worked previously | Duration | Resign or not |
| Aaa | A123 | 15 | 3 | 1200000 | No | 12 | Very good | 1. XYZ 2. ABC | 3 9 | Yes |
| bbb | b123 | 5 | 3 | 900000 | No | 15 | Good | 1.AB | 2 3 | No |
| cccc | c123 | 2 | 2 | 500000 | yes | 6 | Average | 1.XYZ | 2 | Yes |
| ddd | d123 | 18 | 5 | 2200000 | No | 4 | Very good | 1.XYZ  2.ABC  3.CFC  4.TVS | 2 3  3  2 | Yes |
| eee | e123 | 10 | 1 | 1400000 | No | 3 | Very good | 1.XYZ  2.ABC | 5 4 | No |
| fff | f123 | 7 | 2 | 1000000 | yes | 9 | Average | 1.XYZ  2.TRX  3.ABC | 1 2  2 | Yes |
| iii | i123 | 9 | 3 | 1800000 | No | 10 | Good | 1XYZ  2.ABC | 3 3 | No |
| jjj | j123 | 2 | 2 | 450000 | No | 8 | Very Good | 0 | 0 | No |