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

A)How will you achieve this in AI?

To predict which employee will go first. We can predict a model using machine learning.

Using AI learning method To predict employee

Using of existing feature data we are going to predict Employee resignation who will might go next.

B) Find out the 3 -Stage of Problem Identification

Machine Learning - Domain

Supervised Learning – Learning Method

Classification – Algorithm

C) Name the project

Employee Resign Prediction

D) Create the dummy Dataset

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Employee ID | Performance Score | Salary | Hike Percentage | Leave taken | Years of Experience | Prediction |
| 101 | 8 | 25000 | 40 | 2 | 0 | No |
| 102 | 5 | 32000 | 30 | 5 | 1 | No |
| 103 | 9 | 85000 | 60 | 1 | 5 | No |
| 104 | 6 | 72000 | 20 | 10 | 4 | No |
| 105 | 7 | 65000 | 30 | 10 | 3 | Yes |
| 106 | 4 | 94000 | 16 | 9 | 6 | Yes |
| 107 | 3 | 50000 | 12 | 11 | 3 | Yes |