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?**

**Step-1: Understanding the requirements of client’s objective**

**Step-2: collecting the required dataset from the client**

**Step-3: Analyse the dataset**

**Step-4: Domain Selection**

**Step-5: Learning Selection**

**Step-6: Prediction of Resourceful and Non-Resourceful Employees**

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

**Stage-1: Domain Selection - Machine Learning**

**Stage-2: Learning Selection - Supervised Learning**

**Stage-3: Classification - Categorical Value - Resourceful /**

**Non-Resourceful Employee**

**C) Name of the Project: Predicting Resourceful Employees**

**D) Dummy Dataset**

**Employees Performance Ratings and Resourcefulness**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Emp. ID** | **Employee Name** | **Years of Experience** | **Performance Ratings out of 5** | **Resourceful / Non-Resourceful Employee** |
| **01** | **GURURAJ** | **10** | **3.5/5** | **Resourceful** |
| **02** | **HEMANTH** | **5** | **2/5** | **Resourceful** |
| **03** | **NIVASHINI** | **2** | **1.5/5** | **Resourceful** |
| **04** | **KISHORE** | **7** | **2.5/5** | **Resourceful** |
| **05** | **ANTONY** | **3** | **1.5/5** | **Resourceful** |
| **06** | **SELVYN RAJ** | **8** | **2/5** | **Non-Resourceful** |
| **07** | **KIRAN** | **11** | **2.5/5** | **Non-Resourceful** |
| **08** | **MATHEW** | **9** | **3/5** | **Resourceful** |
| **09** | **STEVE** | **10** | **2.5/5** | **Resourceful** |
| **010** | **GOVIND** | **6** | **2/5** | **Resourceful** |