**SCENARIO BASED LEARNING**

The company employees may resign due to some evident reasons, such as performance ratings, satisfaction level, etc. so based on that company may take a decision. If so then the company can take an action to sustain the employee or make a replacement for the resigning employee. Yes, it is very much possible to predict through AI.

3 STAGES OF PROBLEM IDENTIFICATION

STAGE 1: Domain falls under MACHINE LEARNING, as is it based on the numerical data.

STAGE 2: It is also falls under SUPERVISED LEARNING.

STAGE 3: CLASSIFICATION would be best choice for this scenario.

NAME OF THE PROJECT: Predicting employee resignation through Machine learning.

DATA SET:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Emp. ID | NAME | DEPARTMENT | YEARS OF EXPERIENCE | ANNUAL RATING | FEEDBACK FROM EMPLOYEE | DECISION |
| 01 | Gowtham | IT | 8 | 8 | Satisfied | Not resign |
| 02 | Harshith | SALES | 5 | 5 | Not satisfied | Resign |
| 03 | Aarthi | IT | 8 | 9 | Satisfied | Not resign |
| 04 | Dhivya | HR | 6 | 5 | Not satisfied | Resign |
| 05 | Manjari | ACCOUNTS | 7 | 9 | Satisfied | Not resign |