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?

Comparing the Experience with Salary

If Salary is less for experience then Employee is resigned as per Past Data

Need to find out who is getting less salaray compared to experience

Ex. no of yrs experience \* 1 lac -> If getting less than 1 lac then there is a possibility of resigning

1. Find out the 3 -Stage of Problem Identification

ML

Semi-Super(Because the average salary needs to be calculated)

Classification

1. Name the project

Employee Resignation Prediction

1. Create the dummy Dataset.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EmpID | EmpName | Age | Tenure | Experience | Salary | Promotion in Last Yr | SatisfactionLevel | Working Status 0-Working 1-Left |
| 101 | X | 36 | 3 | 5 | 600000 | Y | 8 | 0 |
| 102 | Y | 28 | 1 | 3 | 300000 | Y | 7 | 0 |
| 103 | Z | 45 | 5 | 8 | 700000 | N | 5 | 1 |
| 104 | A | 43 | 4 | 7 | 750000 | Y | 8 | 0 |
| 105 | B | 37 | 2 | 7 | 600000 | Y | 6 | 1 |