ANTICIPATING EMPLOYE RESIGNATION

Using company employees database, review employees years of working, salary, performance rating, satisfaction level. After reviewing , If we guess the employee going to resign the job(call to action )then take steps to alter the work or start recruitment for the position.

**3 Stages of Problem Identification**

Stage 1 – Machine learning

Stage2 - supervised learning

Stage3- classification

**Dataset**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Emp ID | name | department | Years of working | salary | Performance rating  Out of 10 | History of resignation | Resign/Not resign  **Output/label** |  |  |  |  |  |  |
| 1 | John | HR | 2 | 50,000 | 8 | 0 | Not resign |  |  |  |  |  |  |
| 2 | Mohan | marketing | 5 | 40,000 | 6 | 1 | resign |  |  |  |  |  |  |
| 3 | David | finance | 7 | 60,000 | 7 | 1 | Not resign |  |  |  |  |  |  |
| 4 | Ashok | engineering | 4 | 50,000 | 9 | 1 | Not resign |  |  |  |  |  |  |
| 5 | Priya | finance | 8 | 69,000 | 8 | 1 | Not resign |  |  |  |  |  |  |
| 6 | Kowsik | software | 5 | 45,000 | 6 | 2 | resign |  |  |  |  |  |  |