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.

1. A) How will you achieve this in AI?
2. ANS: we have past employee records, based on this data using ML model we can predict whether a employee will stay or leave.
3. B) Find out the 3 -Stage of Problem Identification
4. ANS: 1) we can use ML model 2) supervised learning - we have clear o/p label 3) classification – since o/p is category
5. C) Name the project
6. AI based employee retention prediction
7. D) Create the dummy Dataset.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Emp id | Gender | Age | | Reporting mgr | Promotion | Total exp in this company | Total exp | Salary | designation | Current status |
| 11 | M | 24 | xxxxx | | No | 2 | 2 | 30K | Engg-1 | Left the company |
| 22 | F | 34 | xxxxx | | Yes | 6 | 10 | 90K | Engg-4 | Staying in the company |
| 33 | M | 25 | xxxxx | | No | 3 | 4 | 35K | Engg-2 | Left the company |
| 44 | M | 40 | xxxxx | | yes | 3 | 219 | 100K | mgr | Staying in the company |