A. The goal of this solution is to predict whether an employee will resign based on the information in the resignation letter column. If the column indicates 'yes', the target label for the dataset will be 'Resign', and the company needs to assign resources for after the intended last working day. Otherwise, the target label will be 'no\_resign'.

B. Find out 3 stages of Problem Identification:

Stage1: Machine Learning

Stage2: Supervised Leaning

Stage 3: Classification

C. Name of the Project:

AI based Resource management service

D. Dataset:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp no | Name | Resignation Letter (Y/N) | Intended last working day | Resign/No\_Resign |
| E001 | AAAA | Y | 06/25/2024 | Resign |
| E002 | BBBB | N |  | No\_Resign |
| E003 | CCCC | Y | 07/23/2024 | Resign |
| E006 | TTTT | N |  | No\_Resign |