Problem Statement:

A company works with number of employees; all the works are depended 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.

Project Name: Forecast Resignation

Solution:

After the recent Financial Cycle, many employees are resigning their jobs. The Employees are not happy with the salary hike or bonus provided by the company. So the company management took up a survey from which the management classified happy and unhappy employees. The management also measured the productivity of each employee. Based on the productivity and Happy or Unhappy Employee field, we're going to predict who are going to resign soon.

Domain Selection:

Stage1: NLP

Stage2: Supervised Learning

Stage3: Classification

Dummy Dataset:

Emp No	Emp Name	Age	Email Id	Productive/Notproductive	Happy/Unhappy
253696	Amala Diraviam	36	amaladiraviam@gmail.com	Productive	Happy
253697	Dayana Spenzer	38	dayanaspenzer@gmail.com	Notproductive	Unhappy
253698	Syed AbuDhahir	38	syedabudhahir@gmail.com	Productive	Happy
253699	Dhamodharan	35	dhamodharan@gmail.com	Notproductive	Unhappy
253700	PremSundar	35	premsundar@gmail.com	Notproductive	Happy
253701	Karthika	39	karthikabalasub@gmail.com	Productive	UnHappy
253702	JenishaSundar	32	jenishasundar@gmail.com	Productive	Happy