

Project Proposal

(Employee Future Prediction)

Project Description:

- Employee future prediction help the company to know when to give them a promotion to let them stay for a longer time. also , it help the company to make a plan to fill the empty position with temporary employees and help the company to know when to give them a promotion to let them stay for a longer time .
- In this project , our task is to use data from the company to create a machine learning model to predicts the prospects of future and present employee.

Data Description:

- The data pertains to a company's HR department wants to predict whether some employees would leave the company in next 2 years. i will build a predictive model that predicts the prospects of future and present employee.
- The data includes the following features:
(Education , JoiningYear , City , PaymentTier , Age , Gender , EverBenched , ExperienceInCurrentDomain , LeaveOrNot)

Question/need:

- What is the probability that the employee will leave in the next two years?
- Does education degree affect employee leaving?
- Is there a relationship between age and employee leaving the company?

Tools:

- Anaconda , Jupyter , Python , Pandas , Numpy , Matplotlib, Seaborn , train_test_split , scikit-Learn , classification model .
And may be use more tools .

MVP Goal:

- Creating a machine learning model to predict whether some employees would leave the company in next 2 years .
- EDA to explore the dataset .