

Below are some example use cases to use in your lab.

## 1. Resume summarization

In this use case, a human resources department would like to use a large language model (LLM) to create brief summaries of job applicant resumes to help deal with a large volume of applications. Summarization is one of the most common use cases for LLMs. However, this use case can pose some risks:

- Resumes traditionally contain personal data, some of which may be considered sensitive
- Hallucinations and other incorrect summarizations could negatively affect the perception of a candidate's viability
- Any attempt to introduce AI into hiring decisions will always be met with extra scrutiny

## 2. Hiring recommendation

In this use case, a human resources department would like to use a traditional machine learning (ML) model to assist in hiring decisions. Candidates are scored in a variety of categories, and the model attempts to predict which ones will be successful employees based on those scores. This is a binary classification model. This model has the following risks associated with it:

- Models of this nature are at risk for unfair bias based on biased training data
- Decisions made by the model can impact hiring decisions, and are subject to higher scrutiny
- Auditors are likely to request that any decisions the model made be explained

## 3. Credit risk

In this use case, the corporate finance department would like to evaluate applications for credit cards using a traditional machine learning (ML) model.

- Models of this nature are at risk for unfair bias based on biased training data
- Decisions made by the model can impact financial decisions, and are subject to higher scrutiny
- Auditors are likely to request that any decisions the model made be explained

## 4. Insurance risk

## 5. Fraud detection

## 6. RAG