

## PurrspectiveAI: MLE for the win!

1 min

The Machine Learning Engineer often works in collaboration with a Data Scientist/Analyst and a Data/DevOps Engineer. Here's how they would collaborate in PurrspectiveAI:

- Anjali (MLE) and Bruno (DS) collaborate to find the right model **at scale**. For instance, Bruno's model might be trained exclusively on cats in Brooklyn and might fail to scale to other demographics. Anjali needs to be proficient at machine learning herself to spot this and go back to Bruno with her diagnostics so he may prototype a different model and so on. Additionally, there may be changes to the model parameters or hyperparameters that *can only become apparent at scale*.
- Anjali (MLE) and Carina's (DE) system designs need to be **in sync**. The data flow and cadence from Carina's databases need to fit in Anjali's machine learning pipelines. Where the model might break due to an error in data entry, Anjali would have to go to Carina to make sure something systemic isn't happening. Additionally, Anjali automates the handing over of the model results (i.e., cat and cat owner matched!) to Carina's system so it can automatically 'ping' an expectant cat owner.

Outside of these collaborations, Anjali's task involves making sure that the model is as efficient and tuned as possible. Computational resources and cloud space are all cost intensive, so her knowledge of ML system design and operations is immensely useful here.

This team effort makes sure that PurrspectiveAI is a success, not just in Brooklyn, but across the globe! Feline felicitations to the team! And it would've definitely not been possible without our MLE.

