

MLOps Deployment Project Report

Team Members: Amjad Althagafi, Renad asiri

Objective

The goal of this exercise was to simulate the deployment of code from a development (DEV) environment to a production (PRD) environment. In this task, one student played the role of the developer pushing the code, while the other acted as the gatekeeper, ensuring that the code was functioning correctly after it was merged.

Process:

1. Developer's Role:

- I started by creating a new project organized the code in a folder, which would be initialized as a Git repository.
- I created a virtual environment (venv) for the project and installed all necessary packages.
- I generated the requirements.txt file to document all dependencies.
- After this, I initialized a git repository using git init and added the necessary files, excluding the venv folder, using git add.
- Once everything was staged, I committed the changes with a message saying, "Initial commit."
- I then pushed the project to a remote repository on GitHub.

2. Gatekeeper's Role

- After I created the pull request (PR), my classmate reviewed the code and merged it to the main branch.
- They then pulled the latest changes from the remote repository
- After navigating to the project directory, they created a new virtual environment and installed the dependencies from requirements.txt
- The gatekeeper ran the project to ensure everything was functioning correctly and provided feedback in case any issues were encountered.