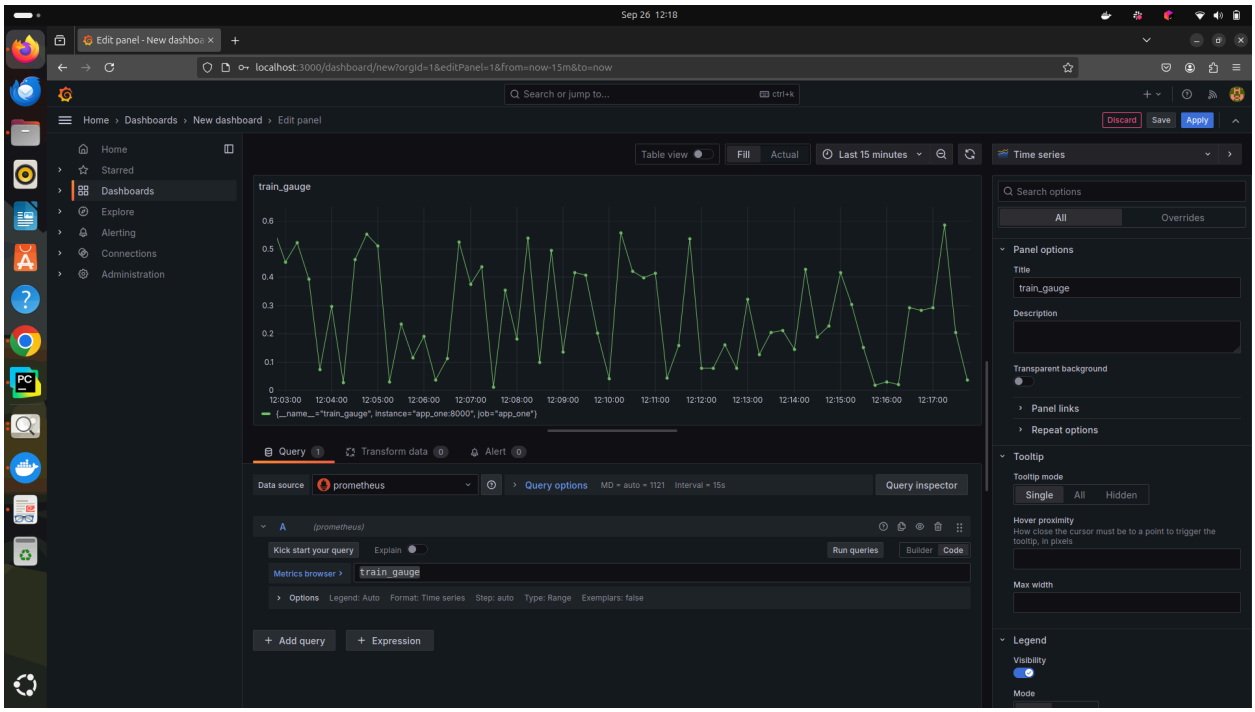
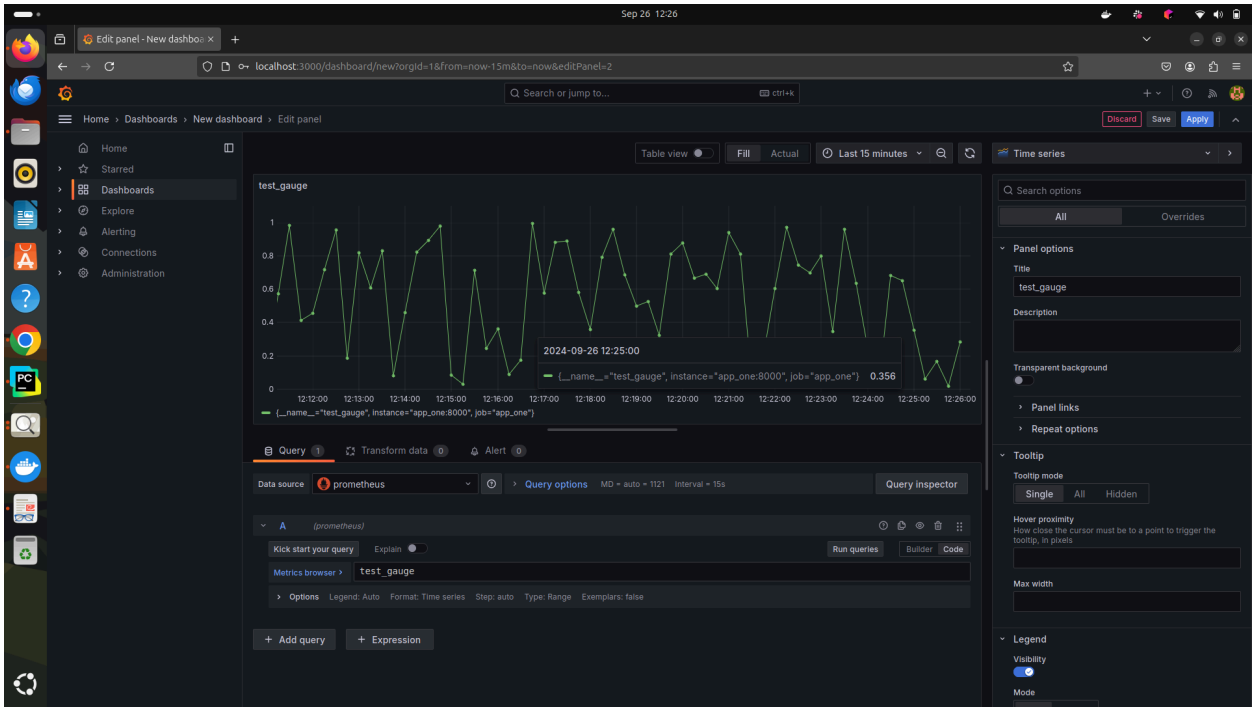
SCREENSHOTS LAB 3

Add new metrics to Prometheus/Grafana. Add your two metrics to your Grafana dashboard as simple time series (graphs over time of a single value) and take screen shots to confirm they are running.
The screenshot below shows the **train_gauge** and **test_guage** metrics which we defined in the last lab.

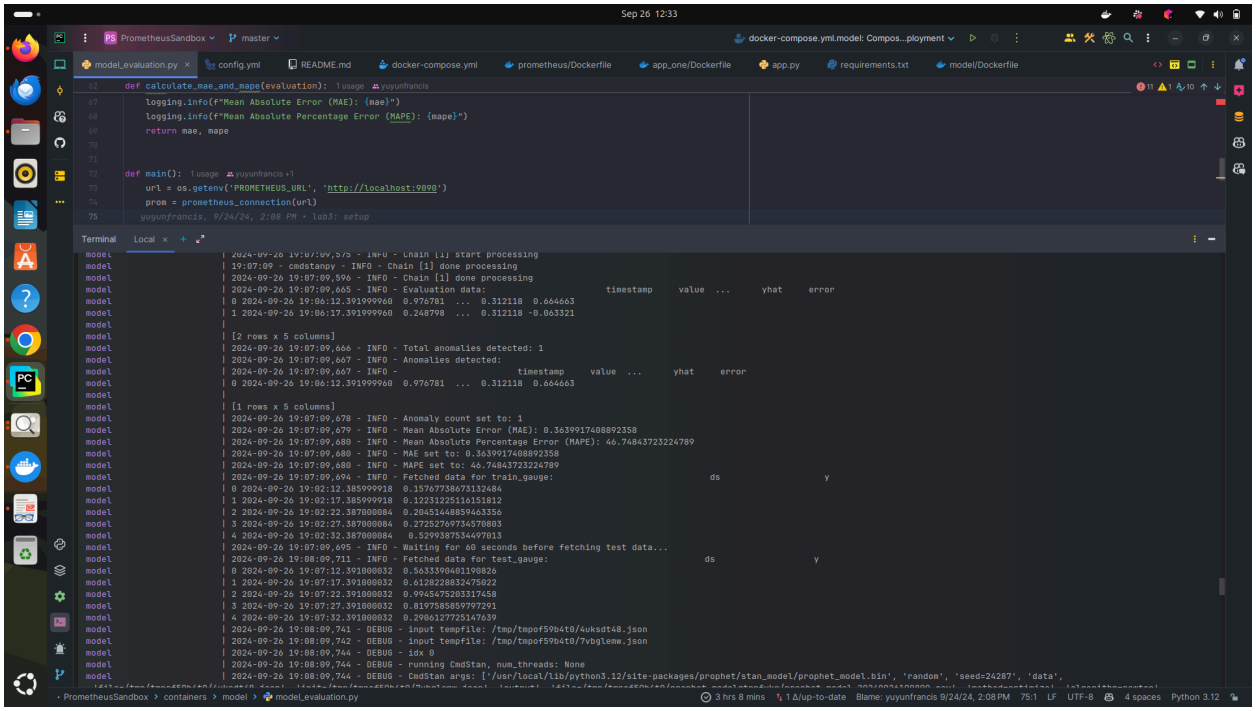
Train Gauge

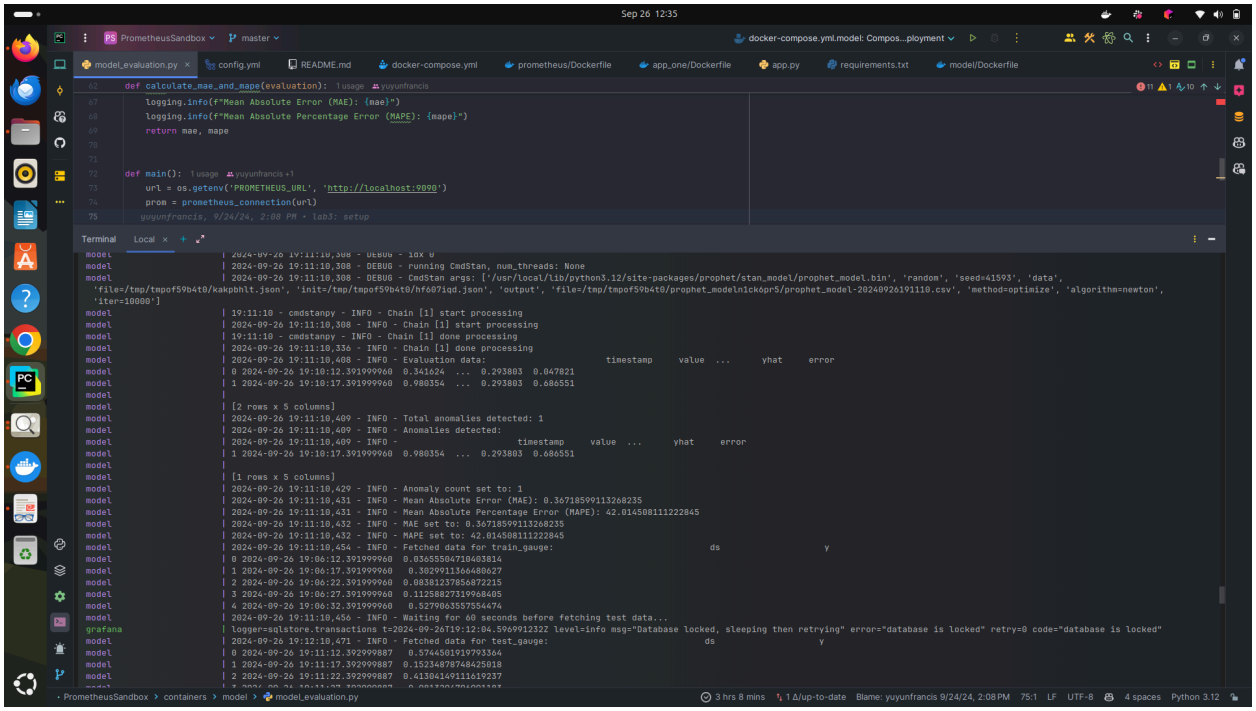


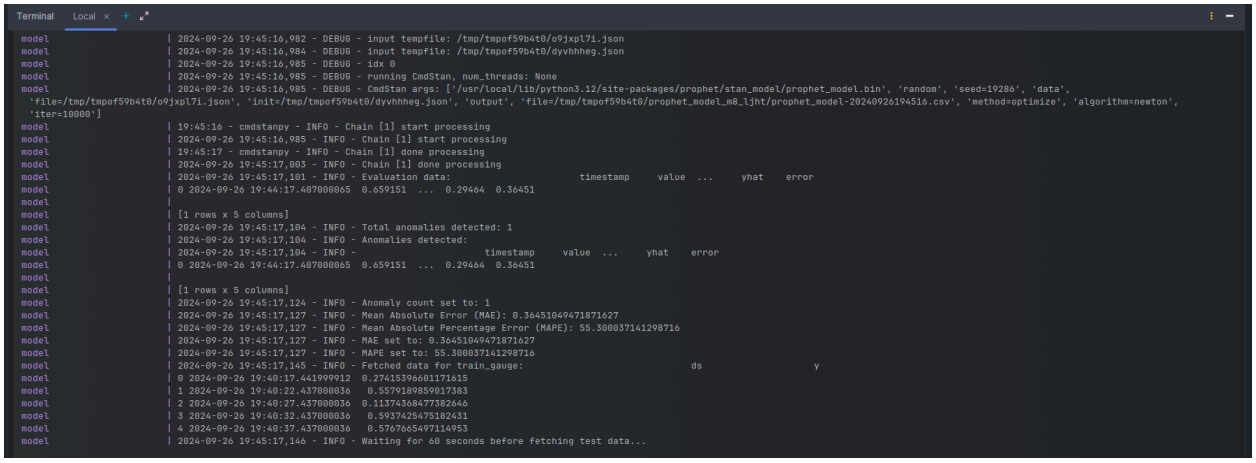
Test Gauge



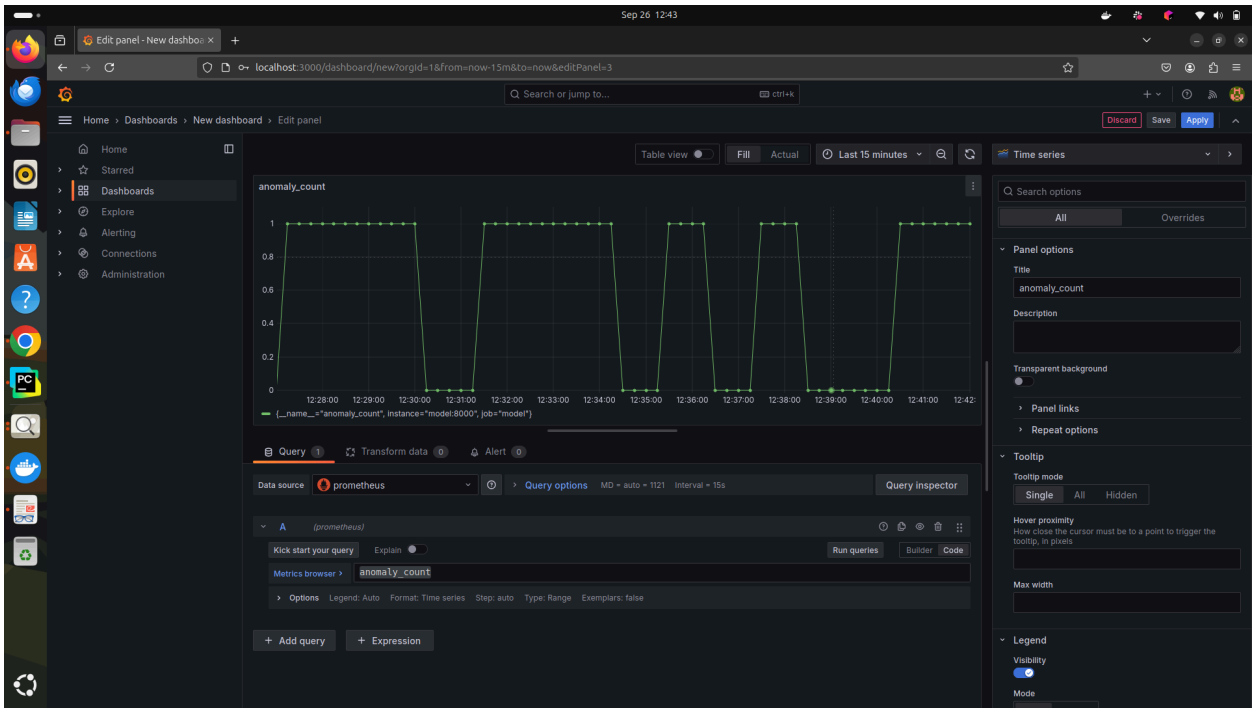
Implementation of prophet model in Python. Correctness of pulling train and test data, not overlapping time series, iterating through requested number of test loops, retraining.





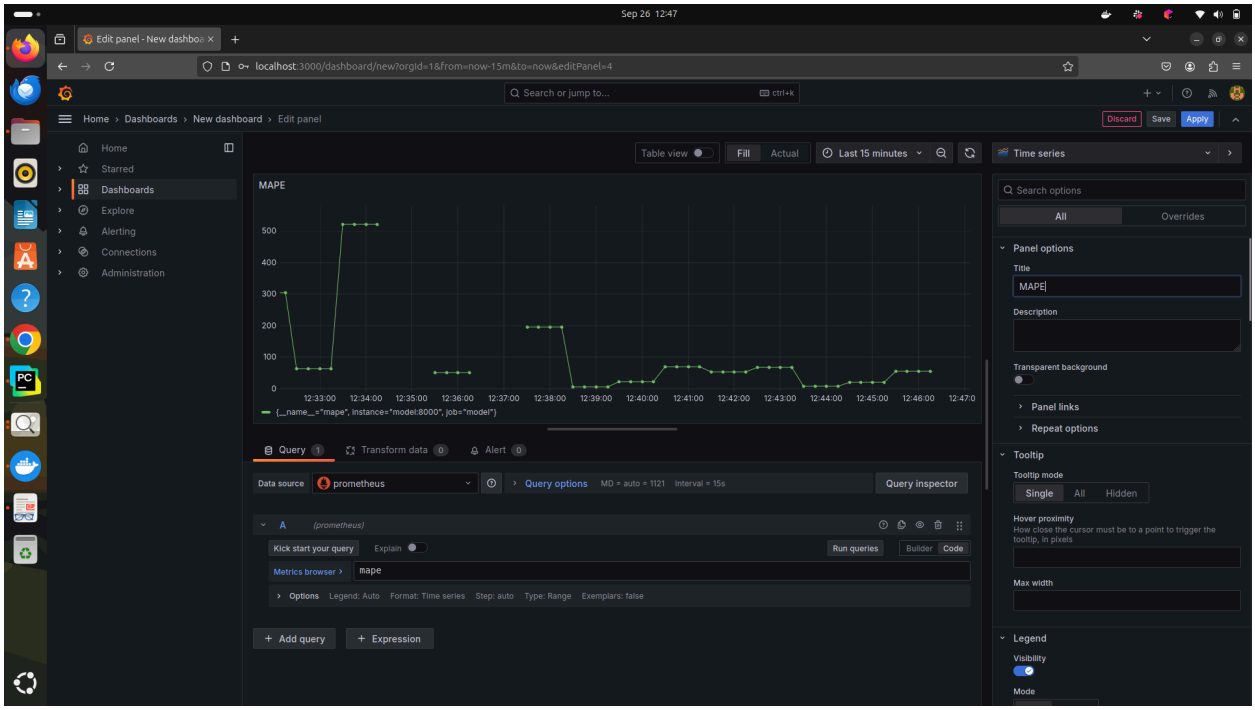


Adding anomaly metric to the application, updating the docker-compose.yaml and prometheus config files, building the image and deploying with docker compose. Visualization for anomaly count in Grafana.

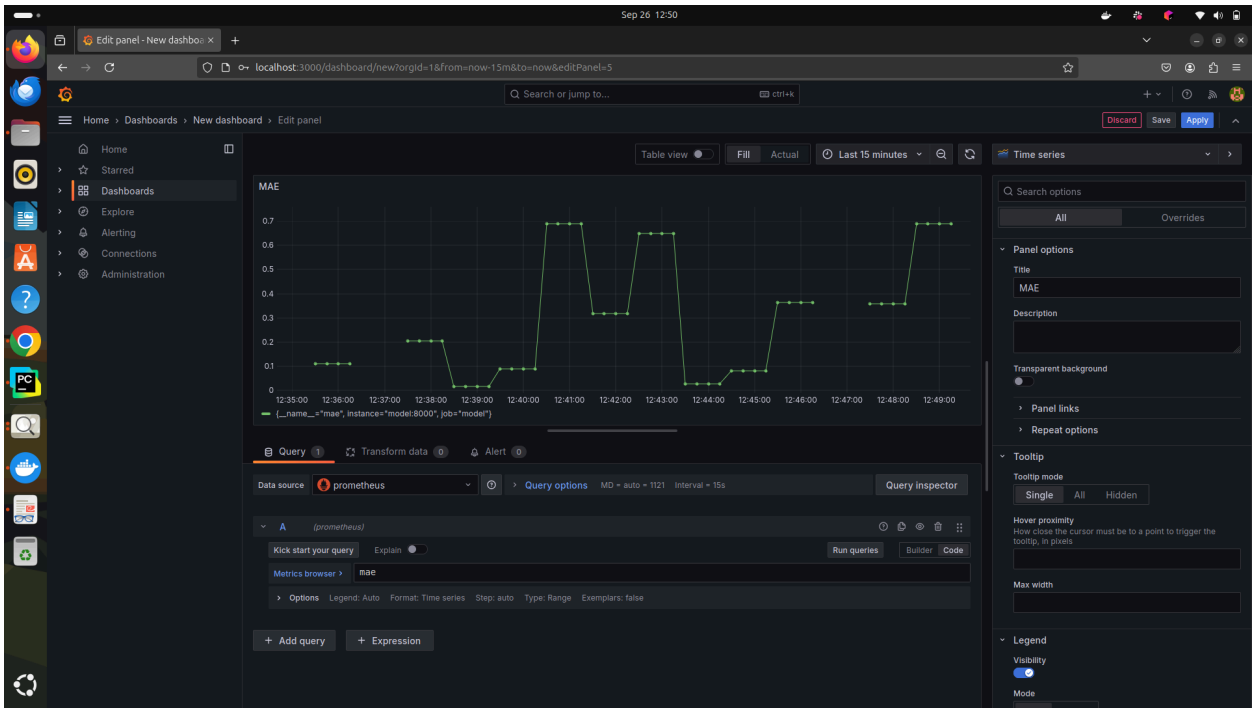


MAE and MAPE metrics added to application, console logs, and grafana.
Add time series visualizations to your Grafana dashboard for MAE/MAPE in addition to the original train/test and Anomaly count series – should have a total of 5 time series in your final dashboard. Run the future forecasts for enough iterations to show appropriate trends in these metrics.

MAPE



MAE



All the graphs put together below showing the visual dashboard.


Sep 26 12:52
New dashboard - Dashbo
localhost:3000/dashboard/new?orgId=1&from=now-15m&to=now
Search or jump to...
ctrl+k
Home › Dashboards › New dashboard
Add
Last 15 minutes
Home
Starred
Dashboards
Explore
Alerting
Connections
Administration
train_gauge
{__name__="train_gauge", instance="app_one:8000", job="app_one"}
test_gauge
{__name__="test_gauge", instance="app_one:8000", job="app_one"}
MAE
{__name__="mae", instance="model:8000", job="model"}
MAPE
{__name__="mape", instance="model:8000", job="model"}
anomaly_count
12:40
12:45
12:50