

MODEL EVALUATION & TUNING - MODEL DEPLOYMENT - MODEL MONITORING & MAINTENANCE

1. Model Evaluation & Tuning

- [Model evaluation](#)
- [Cross-validation](#)
- [Hyperparameter Tuning](#)

2. Model Deployment - Pipelines, Mlflow, DVC, Docker Image file, Yamal file, Container, AWS cloud - ECR, EC2, Git hub actions.

3. Model Monitoring & Maintenance - Flask app, Grafana, Pramothes

-----Deployment of ML Models

1. The trained ML model must be integrated into an application or service to make its predictions accessible.
 - [Machine learning deployment](#)
 - [Deploy ML Model using Streamlit Library](#)
 - [Deploy ML web app on Heroku](#)
 - [Create UIs for prototyping Machine Learning model with Gradio](#)
2. APIs allow other applications or systems to access the ML model's functionality and integrate them into larger workflows.
 - [Deploy Machine Learning Model using Flask](#)
 - [Deploying ML Models as API using FastAPI](#)
3. MLOps ensure they are deployed, monitored and maintained efficiently in real-world production systems.
 - [MLOps](#)
 - [Continuous Integration and Continuous Deployment \(CI/CD\) in MLOps](#)
 - [End-to-End MLOps](#)