# **Bento**ML

# **Usage Sample**

Train and save a model with:

import bentoml

... ## Model training code goes here

bento\_model = bentoml.sklearn.save\_model('model', model)

Assuming there is a service.py file that specifies the environment, loads the model and defines the model's API, we can serve the model with:

\$ bentoml serve .



# Open Source Al Tool Review By True Theta

BentoML is an open-source platform designed to simplify deploying, managing, and scaling machine learning models. It bridges the gap between model development and production, simplifying those transitions for data scientists and engineers. With support for a variety of frameworks, developer friendly features, scaling optimizations, and integration with common tools, BentoML can ease and fortify a variety of ML systems.



#### Strengths



#### Unified Deployment Framework

Simplifies the ML model serving and deployment process.



#### Framework Agnostic

Compatible with a wide range of ML frameworks and libraries.



#### **High Performance**

Features like adaptive micro-batching, GPU acceleration, and parallel require handling make for scalable workloads.

# Streamlined CI/CD Integration

Automates building, testing, and deploying models through tools like GitHub Actions.



#### **Clear Ownership**

Isolated services for each model ensure clarity in maintenance and operations.

### Weaknesses



# Complexity

Serving configurations can be verbose, manual and require inside knowledge of BentoML.

for API discoverability and documentation.



#### **Focused Scope**

Prioritizes serving and deployment, offering limited features for experiment tracking compared to tools like MLFlow.



### **Learning Curve**

Advanced orchestration with Kubernetes may require DevOps expertise.