CLAIMS

What is claimed is:

1. A method for providing an artificial intelligence/machine learning (AI/ML) training service, the method comprising:

receiving, by an AI/ML enablement server, a service request from an AI/ML service consumer, the service request comprising a service objective and service requirements, wherein the service objective comprises an indication of model training and the service requirements comprise one or more training data requirements and one or more model requirements;

identifying, by the AI/ML enablement server, a model for training based on the one or more model requirements, wherein the model identified for training is associated with a model identifier;

selecting, by the AI/ML enablement server, one or more training entities based on the one or more training data requirements and the one or more model requirements;

sending, by the AI/ML enablement server, a training request to the one or more selected training entities, the training request comprising model information and training data information;

receiving, by the AI/ML enablement server from the one or more selected training entities, a response to the training request comprising trained model information; and

sending, by the AI/ML enablement server, a notification to the AI/ML service consumer, the notification comprising model training status information and the trained model information.

2. The method of claim 1, wherein the AI/ML service consumer comprises a Vertical Application Layer (VAL) server.

3. The method of claim 1, wherein the service requirements comprise one or more AI/ML model requirements.

4. The method of claim 1, wherein the trained model information comprises an identifier of a model profile.

5. The method of claim 1, wherein the one or more training entities comprise one or more AI/ML enablement clients.

6. The method of claim 1, further comprising:

receiving, by the AI/ML enablement server, a second service request from the AI/ML service consumer, the second service request comprising a second service objective and second service requirements, wherein the second service objective comprises an indication of model training and the second service requirements comprise one or more second training data requirements and one or more second model requirements;

identifying, by the AI/ML enablement server, an existing trained model that satisfies the second service requirements;

selecting, by the AI/ML enablement server, the existing trained model based on the existing trained model satisfying the second service requirements; and

sending, by the AI/ML enablement server, a second notification to the AI/ML service consumer, the second notification comprising trained model information associated with the existing trained model.

7. The method of claim 1, further comprising storing, by the AI/ML enablement server, the trained model information.

8. The method of claim 1, wherein the one or more training data requirements comprise one or more dataset identifiers.

9. An artificial intelligence/machine learning (AI/ML) enablement server comprising a processor and memory, the processor and memory configured to:

receive a service request from an AI/ML service consumer, the service request comprising a service objective and service requirements, wherein the service objective comprises an indication of model training and the service requirements comprise one or more training data requirements and one or more model requirements;

identify a model for training based on the one or more model requirements, wherein the model identified for training is associated with a model identifier;

select one or more training entities based on the one or more training data requirements and the one or more model requirements;

send a training request to the one or more selected training entities, the training request comprising model information and training data information;

receive, from the one or more selected training entities, a response to the training request comprising trained model information; and

send a notification to the AI/ML service consumer, the notification comprising model training status information and the trained model information.

10. The AI/ML enablement server of claim 9, wherein the AI/ML service consumer comprises a Vertical Application Layer (VAL) server.

11. The AI/ML enablement server of claim 9, wherein the service requirements comprise one or more AI/ML model requirements.

12. The AI/ML enablement server of claim 9, wherein the one or more training data requirements comprise one or more dataset identifiers.

13. The AI/ML enablement server of claim 9, wherein the one or more training entities comprise one or more AI/ML enablement clients.

14. The AI/ML enablement server of claim 9, wherein the processor and memory are further configured to:

receive a second service request from the AI/ML service consumer, the second service request comprising a second service objective and second service requirements, wherein the second service objective comprises an indication of model training and the second service requirements comprise one or more second training data requirements and one or more second model requirements;

identify an existing trained model that satisfies the second service requirements;

select the existing trained model based on the existing trained model satisfying the second service requirements; and

send a second notification to the AI/ML service consumer, the second notification comprising trained model information associated with the existing trained model.

15. The AI/ML enablement server of claim 9, wherein the processor and memory are further configured to store the trained model information.