Implement HPC application for AI/ML domain.

```
import tensorflow as tf
from tensorflow.keras import layers
# Create a CNN model
model = tf.keras.Sequential()
model.add(layers.Conv2D(32, (3, 3), activation='relu', input_shape=(28, 28, 1)))
model.add(layers.MaxPooling2D((2, 2)))
model.add(layers.Conv2D(64, (3, 3), activation='relu'))
model.add(layers.MaxPooling2D((2, 2)))
model.add(layers.Conv2D(64, (3, 3), activation='relu'))
model.add(layers.Flatten())
model.add(layers.Dense(64, activation='relu'))
model.add(layers.Dense(10))
# Load and preprocess the MNIST dataset
mnist = tf.keras.datasets.mnist
(train_images, train_labels), (test_images, test_labels) = mnist.load_data()
train_images = train_images.reshape((60000, 28, 28, 1))
train_images = train_images.astype('float32') / 255
test images = test images.reshape((10000, 28, 28, 1))
test_images = test_images.astype('float32') / 255
# Compile and train the model
model.compile(optimizer='adam',
       loss = tf. keras. losses. Sparse Categorical Crossentropy (from\_logits = True),\\
       metrics=['accuracy'])
model.fit(train_images, train_labels, epochs=5, batch_size=64)
# Evaluate the model
test_loss, test_acc = model.evaluate(test_images, test_labels)
print('Test accuracy:', test_acc)
```