**Prompt:**  
"Implement a handwritten digit recognition project using the CRISP-DM methodology. Use the MNIST dataset for training and testing. Develop two models:

1. A Dense Neural Network (DNN) with a simple feedforward architecture.
2. A Convolutional Neural Network (CNN) for spatial feature extraction.

Ensure the following:

* Visualize sample images from the dataset to understand the data.
* Preprocess the data by normalizing pixel values and reshaping inputs for compatibility with the models.
* Train both models and evaluate their performance using accuracy metrics.
* Plot training and validation accuracy over epochs for each model.
* Save the trained models for potential deployment as .h5 files.

Provide detailed results, including test accuracies for both models and visualized performance metrics."