## ○ Jupyter Task 3 (Advance)_Neural_Network_with_Tensorflow Last Ch

File   Edit   View   Run   Kernel   Settings   Help

Markdown ⌄

Codveda Technologies Internship For ML Task 3: Neural Networks with TensorFlov

Dataset-MNISTdigit

Objectives:

Load and preprocess the dataset. Design a neural network architecture (input lay
using accuracy and visualize the training/validation loss. Tools: Python, TensorFlov
TensorFlow/Keras for classification tasks (e.g., MNIST digit classification).

[1]: `!pip install tensorflow`

```
Requirement already satisfied: tensorflow in c:\users\dell\anaconda3\e
Requirement already satisfied: absl-py>=1.0.0 in c:\users\dell\anacond
Requirement already satisfied: astunparse>=1.6.0 in c:\users\dell\anac
Requirement already satisfied: flatbuffers>=2.0 in c:\users\dell\anacc
Requirement already satisfied: gast<=0.4.0,>=0.2.1 in c:\users\dell\an
Requirement already satisfied: google-pasta>=0.1.1 in c:\users\dell\an
Requirement already satisfied: h5py>=2.9.0 in c:\users\dell\anaconda3\
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\
Requirement already satisfied: libclang>=13.0.0 in c:\users\dell\anacc
Requirement already satisfied: numpy>=1.20 in c:\users\dell\anaconda3\
Requirement already satisfied: opt-einsum>=2.3.2 in c:\users\dell\anac
Requirement already satisfied: packaging in c:\users\dell\anaconda3\er
Requirement already satisfied: protobuf<3.20,>=3.9.2 in c:\users\dell\
Requirement already satisfied: setuptools in c:\users\dell\anaconda3\e
Requirement already satisfied: six>=1.12.0 in c:\users\dell\anaconda3\
Requirement already satisfied: termcolor>=1.1.0 in c:\users\dell\anacc
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\de
Requirement already satisfied: wrap>=1.11.0 in c:\users\dell\anaconda
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 ir
1.0)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\dell\an
Requirement already satisfied: tensorboard<2.11,>=2.10 in c:\users\del
```