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| Name | Date modified | Type | Size |
|-----------------------------|------------------|-------------|------|
| 📁 .git | 15-11-2022 17:34 | File folder | |
| 📁 Application Building | 15-11-2022 17:31 | File folder | |
| 📁 Assignments | 15-11-2022 17:30 | File folder | |
| 📁 Final Deliverables | 15-11-2022 17:31 | File folder | |
| 📁 Model Building | 15-11-2022 17:31 | File folder | |
| 📁 Pre Development | 15-11-2022 17:28 | File folder | |
| 📁 Project Design Phase - I | 15-11-2022 17:28 | File folder | |
| 📁 Project Design Phase II | 15-11-2022 17:28 | File folder | |
| 📁 Project Development Phase | 15-11-2022 17:31 | File folder | |
| 📁 Project Planing Phase | 15-11-2022 17:28 | File folder | |
| 📁 Train the Model on IBM | 15-11-2022 17:31 | File folder | |
| 📁 Understanding the data | 15-11-2022 17:31 | File folder | |

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Final Deliverables

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| data | 15-11-2022 17:31 | File folder | |
| models | 15-11-2022 17:31 | File folder | |
| static | 15-11-2022 17:31 | File folder | |
| templates | 15-11-2022 17:31 | File folder | |
| app | 15-11-2022 16:44 | Python Source File | 2 KB |
| HDR cloud deployment | 15-11-2022 16:10 | Jupyter Source File | 50 KB |

View

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Show more optionsShift+F10

6 items

26°C

16

ENG IN

19:40

15-11-2022

Windows PowerShell



Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

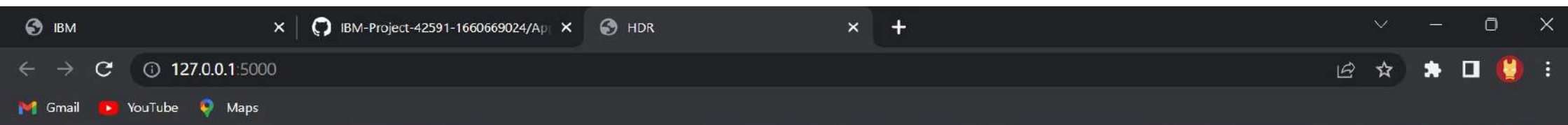
PS D:\IBM\PROJECT_GIT\IBM-Project-42591-1660669024\Final Deliverables> python .\app.py|

🌤️ 26°C



^ ENG IN 19:41 15-11-2022 🌙

```
2022-11-15 19:41:32.343442: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cusolver64_11.dll';
dlerror: cusolver64_11.dll not found
2022-11-15 19:41:32.343975: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cusparses64_11.dll';
dlerror: cusparses64_11.dll not found
2022-11-15 19:41:32.344479: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudnn64_8.dll'; dler
ror: cudnn64_8.dll not found
2022-11-15 19:41:32.344534: W tensorflow/core/common_runtime/gpu/gpu_device.cc:1934] Cannot dlopen some GPU libraries. Please make sure the miss
ing libraries mentioned above are installed properly if you would like to use GPU. Follow the guide at https://www.tensorflow.org/install/gpu fo
r how to download and setup the required libraries for your platform.
Skipping registering GPU devices...
2022-11-15 19:41:32.344857: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Net
work Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
http://127.0.0.1:5000
Ctrl+Click to follow link
* Restarting with stat
2022-11-15 19:41:33.293597: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; d
lerror: cudart64_110.dll not found
2022-11-15 19:41:33.293998: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on
your machine.
2022-11-15 19:41:36.277925: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; d
lerror: cudart64_110.dll not found
2022-11-15 19:41:36.279432: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cublas64_11.dll'; dl
error: cublas64_11.dll not found
2022-11-15 19:41:36.280639: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cublasLt64_11.dll';
dlerror: cublasLt64_11.dll not found
2022-11-15 19:41:36.281623: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cufft64_10.dll'; dle
rror: cufft64_10.dll not found
2022-11-15 19:41:36.282593: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'curand64_10.dll'; dl
error: curand64_10.dll not found
2022-11-15 19:41:36.283627: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cusolver64_11.dll';
dlerror: cusolver64_11.dll not found
```

HandWritten Digit Recognition System

Handwritten Digit Recognition is a technology that is much needed in this world as of Today. This Digit Recognition System is used to recognize the digits from different sources like email, posts, cheque etc. Before proper implementation of this technology we have relied on writing text with our own hands which can result in error. It's difficult to store and access physical data with efficiency. The project presents in representing the recognition of handwritten digits (0 - 9) from the famous MNIST dataset. Here we will be using AlexNet which is an architecture of Convolutional Neural Network.

Select a image: No file chosen



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« IBM-Project-50222-1660900453 » Final_Deliverables » data

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DATA (D:)

New Volume (E:)

New Volume (F:)

| | | | | | |
|---|---|---|---|---|---|
| 0 | 0 | 1 | 1 | 2 | 2 |
| 3 | 3 | 4 | 5 | 5 | 6 |
| 7 | 8 | 9 | 9 | 9 | |

File name:

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tion System

Recognition System is used to recognize the digits
we have relied on writing text with our own hands
ents in representing the recognition of handwritten
of Convolutional Neural Network.

Predict

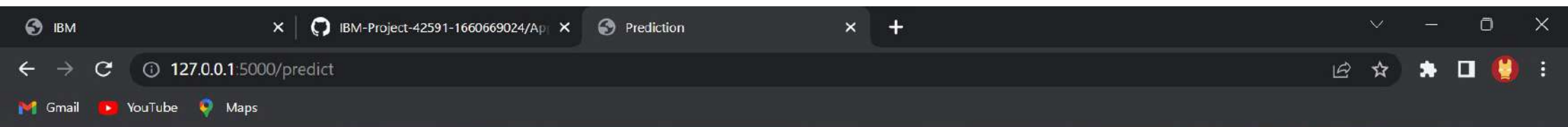
Clear

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Predicted Number :
7

