

Project Development Phase

Sprint-3

Date	11 November 2022
Team ID	PNT2022TMID40411
Project Name	A Novel Method for Handwritten Digit Recognition System

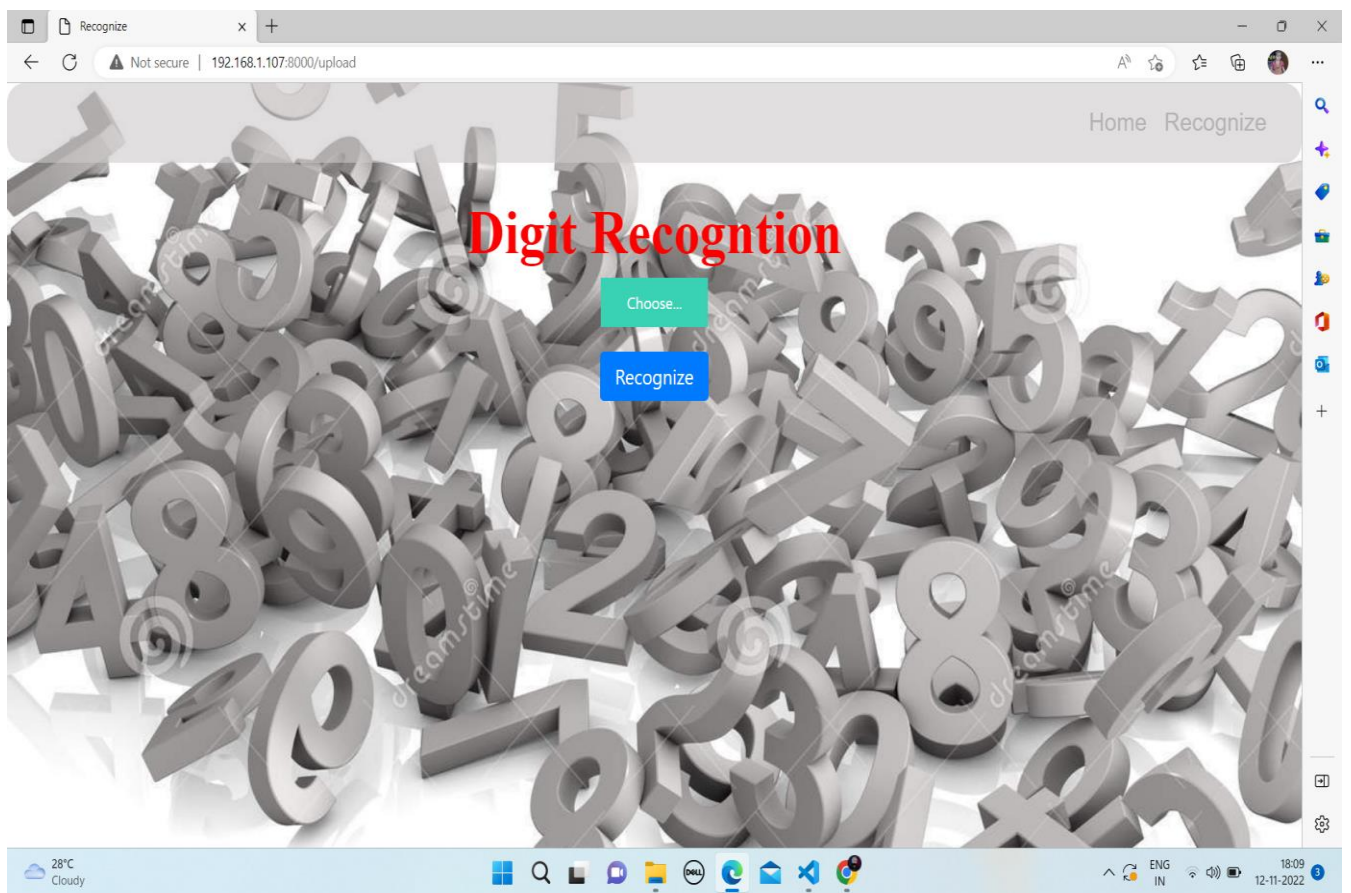
Home Recognize

Handwritten Recognition System

Handwritten Text 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 emails, bank cheque, papers, images, etc. Before proper implementation of this technology we have relied on writing texts with our own hands which can result in errors, It's difficult to store and access physical data with efficiency. The project presents recognizing the handwritten digits (0 to 9) from the famous MNIST dataset. Here we will rising artificial neural networks/convolution neural network

28°C Cloudy

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

PS C:\Users\Abarna\OneDrive\Desktop\Hello_flask> python app.py
```

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Windows PowerShell
2022-11-12 18:10:25.200148: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Network 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 all addresses (0.0.0.0)
* Running on http://127.0.0.1:8000
* Running on http://192.168.1.107:8000
Press CTRL+C to quit
* Restarting with stat
2022-11-12 18:10:26.102986: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cuda64_110.dll'; dlderror: cuda
rt64_110.dll not found
2022-11-12 18:10:26.103225: 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
.
2022-11-12 18:10:29.271041: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlderror: nvcuda.dll
not found
2022-11-12 18:10:29.271578: W tensorflow/stream_executor/cuda/cuda_driver.cc:263] failed call to cuInit: UNKNOWN ERROR (303)
2022-11-12 18:10:29.278613: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: DESKTOP-NA585NJ
2022-11-12 18:10:29.279279: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: DESKTOP-NA585NJ
2022-11-12 18:10:29.280105: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Network 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.
* Debugger is active!
* Debugger PIN: 104-326-080
```

