

Pre -requisites

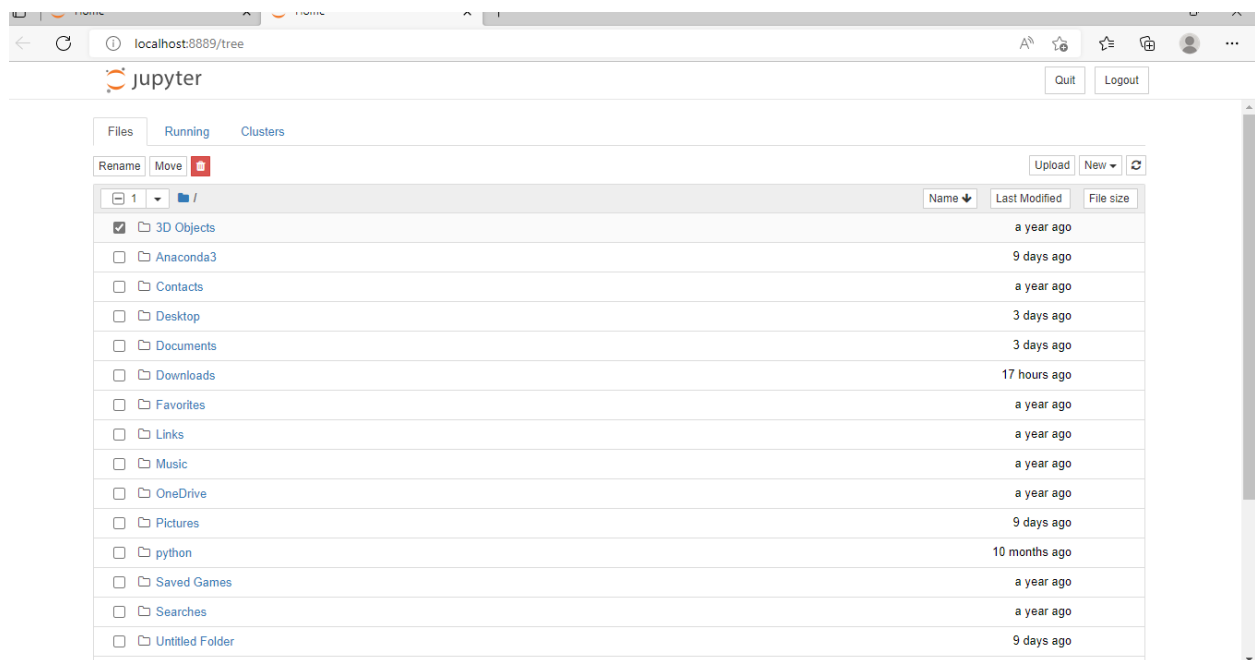
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|--------------|---|
| Date | 24 september 2022 |
| Team id | PNT2022TMID46204 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |

Anoconda Python

Anaconda is an open-source distribution of the Python and R programming languages for data science that aims to simplify package management and deployment.

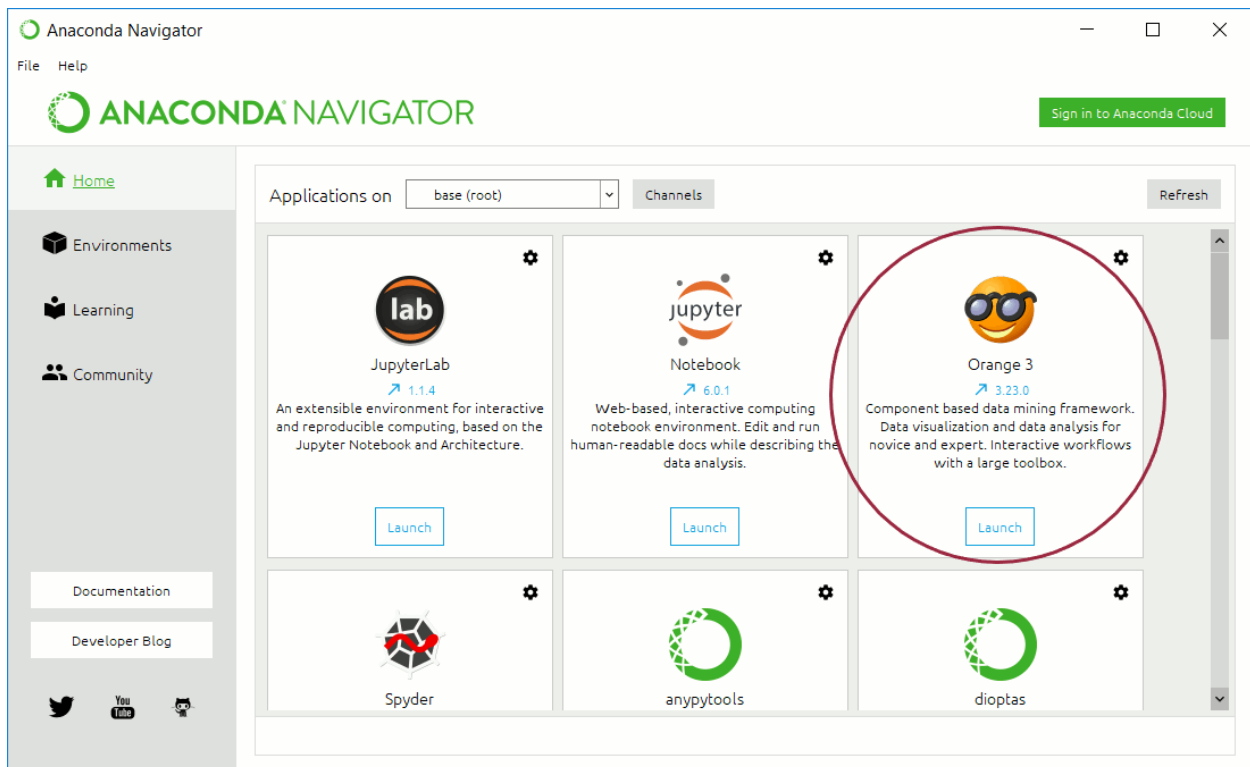
Jupyter Notebook

A server-client application that allows editing and running notebook documents via a web browser.the original web application for creating and sharing computational document-centric experience.



Anoconda Navigator

Anaconda Navigator is a desktop graphical user interface included in Anaconda distribution that allows user to launch application and manage conda command-line commands.



| S.No | Title of Paper | Author | Journal Name & YOP | Methodology | Advantages & Disadvantages |
|------|---|--------------------------------------|------------------------|--|---|
| 1. | Handwritten arabic numeral recognition using deep learning neural networks | Akm Ashiquzaman ,Abdul Kawsar Tushar | icIVPR 15 Feburary2017 | 1)The first method is the MLP. 2)Second method employ's conventional neural network. | 1)The computational disadvantage oThis is f basics MLP against CNN. 2)CNN method enhance accuracy in digital recognition accuracy of 97.4% 3)This is the heighest accuracy for CNATERDB dataset. |
| 2. | Handwritten digital recognition using convolutional neural networks | A.Aluzwazy Hayder, M.albehadli | IJIRCCE 2 Feburary2016 | 1)The datset is collected from primary, secondary, and university student. 2)The data divided into two parts are training and testing parts | 1)A large dataset is called after paying vast effort for distributing and collecting digital from college student. 2)Thus the training and testing are fast which satisfy real time application. |
| 3. | Recognition of automated handwritten digital on document images making use of machine learning techniques | Aarti Gupta , Rohit Mri, Hiral Raja | EJETRS 29 May 2021 | 1)the segment discuss the method & strategies used to create model. 2)Primary keyword were selected from the list of keywords and used to build the search string . | the limitation included classifier realiability, the absens of abvious generous segment point attached and digits 2) to improve segmentation prevision, multiple classification model can be used simultaneously |

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|-----|---|------------------------|-------------------------------|---|--|
| 4.. | scop of handwritten recognition indic scrips | Sukhdeep singh | IJRAR 12 september 2018 | 1)writting electronic application in one own handwritten in native script 2)putting the mathematical equation by simple handwriting | 1)the scop of offline & online handwritting recognition in context of indic script 2)so, in order to survival of indic script technological and internet era, a great work is to be alone yet |
| 5. | A novel approach to diagnose ADHD using virtual reality | Ha min son,Dony Gyulee | IJWIS 08-August 2021 | 1)the author use both virtual reality & AI to create an object ADHD diagnostic test 2)As a potential pattent complete mulltiple VR scenes certain action trigger | 1)thus the training and testing are fast which satisfy real time application 2)this is the highest record accuracy for CMATERDB dataset |