Monday, August 9, 2021 9:28 AM

Git Repository to be cloned :
https://github.com/MicrosoftLearning/mslearn-ai900
And
h_ttps://github.com/MicrosoftLearning/AI-102-AIEngineer

Step by Step instructions for lab :
https://microsoftlearning.github.io/AI-102-AIEngineer/

Reference Documents :

https://aidemos.microsoft.com/

https://aidemos.microsoft.com/

https://aka.ms/learn-artificial-intelligence

Lab URL :

https://github.com/MicrosoftLearning/mslearn-ai900

Learning Path (Homework) - Create no-code predictive models with Azure Machine Learning
https://aka.ms/no-code-ml

2. CNN:
   https://aidemos.microsoft.com/computer-vision

   https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview

3. Cognitive Services List --- Azure
   https://azure.microsoft.com/en-in/services/cognitive-services/#overview

   https://westus.dev.cognitive.microsoft.com/docs/services

Monday, August 9, 2021 4:19 PM

Outlook Id :
KarunaRatlani123@outlook.com
Welcome@123456

GitHub: Welcome@123456

Kindly find the AI-102 Course Code, Student Pass and LAB Login details below:

URL: https://digitallabs.palmeto.co.in

Username: Deloitte-Azure02

Password: P@lmeto@123

Microsoft Azure Student voucher
Code: Q3671FDK1BC5DKDEMJ

Microsoft Course License code: REYM-KKTC-QDNP-ONAM

Notebook - having all links

https://www.zippyjot.com/note/62116

Visual Studio to Git Hub :
https://code.visualstudio.com/docs/editor/github

Reference Links:

https://docs.microsoft.com/en-us/learn/paths/get-started-with-artificial-intelligence-on-azure/

https://docs.microsoft.com/en-
https://docs.microsoft.com/en-
https://docs.microsoft.com/en-us/learn/paths/explore-natural-language-processing/
https://docs.microsoft.com/en-us/learn/paths/explore-conversational-ai/

https://www.skillpipe.com/#/reader/urn:uuid:3263d0b0-2e42-534b-a222-272bce964434@2021-07-12T09:28:22Z/content

For E- Books /Materials :
https://policies.skillpipe.com/service/faq/#user-guide

Link for e BOOK :

Azure ML E-Book - https://wiproblr2011.blob.core.windows.net/documents/AzureML.pdf (Only for your self learning)

https://wiproblr2011.blob.core.windows.net/documents/AzureML.pdf (Only for your self learning)

To check balance credits :
https://www.microsoftazuresponsorships.com/

REFERENCE LINKS:

https://www.youtube.com/watch?v=pL-c00M2CnI

Azure Cognitive Services improves citizen engagement
https://www.youtube.com/watch?v=mIGefGYNW3s

DJI Drone Demo
https://www.youtube.com/watch?v=EruH-4Fvecc&t=4m57s

How Uber is using driver selfies to enhance security
https://www.youtube.com/watch?v=aEBi4OpXU4Q

Artificial Intelligence takes the pain out of car insurance in India
https://www.youtube.com/watch?v=jvLx6lcpFvc

Seeing AI 2016 Prototype
https://www.youtube.com/watch?v=R2mC-NUAmMk

Microsoft & Prism Skylabs: Using AI to help organizations search visual data
https://www.youtube.com/watch?v=eltraK8wF6g&feature=youtu.be

Reference Link :
https://fott-2-1.azurewebsites.net/

Monday, August 9, 2021 5:10 PM

github.com/vedpd

Tuesday, August 10, 2021 9:37 AM

User : AIUser
Pwd: Welcome@1234

Lab Environment Setup
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/00-setup.html

Lab Setup Part 2 - Enable Resource Providers
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/00-update-resource-providers.html

LAB Setup Part 2 - Enable Resource Providers
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/00-update-resource-providers.html

Lab Environment Setup
-https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/00-setup.html

Module 2 Lab 1 - Get Started with Cognitive Services
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/01-get-started-cognitive-services.html

Lab 2 - Manage Cognitive Services Security
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/02-cognitive-services-security.html

LAB 3 - Monitor Cognitive Services
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/03-monitor-cognitive-services.html

Lab 4 - Use a Cognitive Services Container
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/04-use-a-container.html

Analyze Text :
Module 3 - Lab 1 - Analyze Text
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/05-analyze-text.html

Lab 2 - Translate Text
- https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/06-translate-text.html

Module 4 Lab 1 Recognize and Synthesize Speech
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/07-speech.html

Languages Supported in Speech - https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/language-support

Module 4 Lab 2 - Translate Speech
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/08-translate-speech.html

Translate speech - demo2 :

https://docs.microsoft.com/en-us/learn/paths/process-translate-speech-azure-cognitive-speech-services/
Translator:- Speech -
Translate Speech to Speech in a different language (Py) Demo -
https://docs.microsoft.com/en-us/learn/modules/translate-speech-speech-service/3-translate-speech-different-language?pivots=python

Real Time Speech to Text translator:
https://anthonychu.ca/post/realtime-captioning-translation-cognitive-services-signalr-azure-functions/

Wednesday, August 11, 2021 9:40 AM

Language Understanding :

Module 5 - Lab 1 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/09-language-understanding-app.html
LAB 2 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/10-language-understanding-client.html
Lab 3 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/11-language-understanding-speech.html

Module 5 -> LUIS (Language Understanding) ->>

Lab 1 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/09-language-understanding-app.html
LAB 2 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/10-language-understanding-client.html
Lab 3 - https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/11-language-understanding-speech.html

Module 6 Lab - Create a QnA Solution
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/12-qna-maker.html

BOT :

LAb 1 https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/13-bot-framework.html

Lab 2 https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/14-bot-composer.html

Bot Framework Emulator
Follow the instructions at https://github.com/Microsoft/BotFramework-Emulator/blob/master/README.md to download and install the latest stable version of the Bot Framework Emulator for your operating system.

Bot Framework Composer
Install from https://docs.microsoft.com/en-us/composer/install-composer.

Thursday, August 12, 2021 9:18 AM

COMPUTER VISION :

Module 8 :
Lab 1 Analyze Images with Computer Vision
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/15-computer-vision.html
Lab2 Analyze Video with Video Analyzer
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/16-video-indexer.html

https://azure.microsoft.com/en-in/blog/live-stream-analysis-using-video-indexer/

https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/logic-apps-connector-tutorial

MODULE 9 - LAB 1 ->>Classify Images with Custom Vision
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/17-image-classification.html
Lab 2 - Detect Objects in Images with Custom Vision
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/18-object-detection.html

Detect, Analyze, and Recognize Faces
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/19-face-service.html
Detect, Analyze, and Recognize Faces

Reference Link :

https://fott-2-1.azurewebsites.net/

OCR Lab:
Lab 1 https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/20-ocr.html

Read Text in Images
OCR and READ API
Lab 1 https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/20-ocr.html

Form Recognizer API Lab:
Lab 2 https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/21-form-recognizer.html

Sampling Tool :
https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/label-tool

Friday, August 13, 2021 9:37 AM

Module 12 - Creating a Knowledge Mining Solution
LAB 1 - Create an Azure Cognitive Search solution
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/22-azure-search.html
LAB 2 Create a Custom Skill for Azure Cognitive Search
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/23-search-skills.html
LAB 3 Create a Knowledge Store with Azure Cognitive Search
https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/24-knowledge-store.html

Friday, August 13, 2021 4:27 PM

AI102_Deloitte_9-13Aug2021 Palmeto

********** DAY 1 **********

Microsoft Cognitive Services - https://azure.microsoft.com/en-in/services/cognitive-services/

All API Documentation :-
https://westus.dev.cognitive.microsoft.com/docs/services?page=1

Microsoft Official Course Labs:-
https://microsoftlearning.github.io/AI-102-AIEngineer/

Workplace Safety Demonstration
https://www.youtube.com/watch?v=pL-c00M2CnI
Azure Cognitive Services improves citizen engagement
https://www.youtube.com/watch?v=mIGefGYNW3s
DJI Drone Demo
https://www.youtube.com/watch?v=EruH-4Fvecc&t=4m57s
How Uber is using driver selfies to enhance security
https://www.youtube.com/watch?v=aEBi4OpXU4Q
Artificial Intelligence takes the pain out of car insurance in India
https://www.youtube.com/watch?v=jvLx6lcpFvc
Seeing AI 2016 Prototype
https://www.youtube.com/watch?v=R2mC-NUAmMk
Microsoft & Prism Skylabs: Using AI to help organizations search visual data
https://www.youtube.com/watch?v=eltraK8wF6g&feature=youtu.be

Text Analytics -
API Doc. -
https://westus.dev.cognitive.microsoft.com/docs/services/TextAnalytics.V2.0/operations/56f30ceeeda5650db055a3c7
https://aidemos.microsoft.com/text-analytics

Microsoft Learning Path and Exercises:-
https://docs.microsoft.com/en-us/learn/paths/explore-natural-language-processing/
Exercise - Analyze text with the Text Analytics service ->
https://docs.microsoft.com/en-us/learn/modules/analyze-text-with-text-analytics-service/3-exercise

Extra my Own Lab of Sentiment Analysis of Twitter (Home Work) :-
https://wiproblr2011.blob.core.windows.net/ai100natherland/Sentiment/AzureSentimentAnalysis_LogicApps_FunctionApps.docx

Text Analytics - https://aidemos.microsoft.com/text-analytics

Microsoft Learning Path and Exercises:-
https://docs.microsoft.com/en-us/learn/paths/explore-natural-language-processing/
Exercise - Analyze text with the Text Analytics service ->
https://docs.microsoft.com/en-us/learn/modules/analyze-text-with-text-analytics-service/3-exercise

MS Learning Paths and Exercises:-
Process and Translate Speech with Azure Cognitive Speech Services -
https://docs.microsoft.com/en-us/learn/paths/process-translate-speech-azure-cognitive-speech-services/

Process natural language with Azure Cognitive Language Services -
https://docs.microsoft.com/en-us/learn/paths/process-natural-language-azure-cognitive-language-services/

********** DAY 2 **********
Language Understanding - https://github.com/MicrosoftLearning/mslearn-ai900/blob/main/10%20-%20Language%20Understanding.ipynb

Exercise - Create a Language Understanding application -
https://docs.microsoft.com/en-us/learn/modules/create-language-model-with-language-understanding/3-exercise-create-language-understanding-application

https://github.com/MicrosoftLearning/mslearn-ai900/blob/main/10%20-%20Language%20Understanding.ipynb
https://github.com/MicrosoftLearning/mslearn-ai900/blob/main/08%20-%20Speech.ipynb
https://github.com/MicrosoftLearning/mslearn-ai900/blob/main/07%20-%20Text%20Analytics.

https://github.com/MicrosoftLearning/mslearn-ai900/blob/main/11%20-%20QnA%20Bot.ipynb

https://wiproblr2011.blob.core.windows.net/ai100natherland/CreateDeployEchoBot_CSharp.docx

Build a bot with QnA Maker and Azure Bot Service Learn Path -
https://docs.microsoft.com/en-us/learn/modules/build-faq-chatbot-qna-maker-azure-bot-service/
https://docs.microsoft.com/en-us/learn/paths/explore-conversational-ai/
https://aidemos.microsoft.com/responsible-conversational-ai/building-a-trustworthy-bot

MS Learning Path Exercises:-
https://docs.microsoft.com/en-us/learn/modules/create-bot-with-bot-framework-composer/

https://docs.microsoft.com/en-us/learn/modules/build-faq-chatbot-qna-maker-azure-bot-service/
https://docs.microsoft.com/en-us/learn/paths/create-bots-with-the-azure-bot-service/

********** DAY 3 **********

Computer Vision API (v2.0) Check -
https://westus.dev.cognitive.microsoft.com/docs/services/5adf991815e1060e6355ad44/operations/56f91f2e778daf14a499e1fa
Explore computer vision in Microsoft Azure Learn Path -
https://docs.microsoft.com/en-us/learn/paths/explore-computer-vision-microsoft-azure/
Explore computer vision in Microsoft Azure 6 Learn Paths -
https://aka.ms/explore-computer-vision

Explore computer vision in Microsoft Azure Learn Path -
https://docs.microsoft.com/en-us/learn/paths/explore-computer-vision-microsoft-azure/

Labs:-
https://wiproblr2011.blob.core.windows.net/ai100natherland/compvision/05_ServerlessWebApplication.zip
https://wiproblr2011.blob.core.windows.net/ai100natherland/compvision/01_AnalyzeRemoteImage.zip
https://wiproblr2011.blob.core.windows.net/ai100natherland/compvision/02_ComputerVisionAPI_Csharp.zip
https://wiproblr2011.blob.core.windows.net/ai100natherland/compvision/03_ComputerVision_QuickThumbnail.docx
https://wiproblr2011.blob.core.windows.net/ai100natherland/compvision/04_ComputerVision_AnalyzeLocalImage.docx

Home Work My Own Labs:-
1. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab0_CaseStudy_Introduction.zip
2. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab1_TechnicalRequirements.zip
3. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab2_ImplementComputerVision.zip
4. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab3_Creating_Basic_FilteringBot.zip
5. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab4_LogChats.zip
7. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab6_Implementing_LUIS_Model.docx
8. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab7_Integrate_LUIS_into_BotDialogs.docx
9. https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab8_DetectLanguage.docx

10.
https://wiproblr2011.blob.core.windows.net/ai100natherland/MOCLab/Lab9_Test_Bots_DirectLine.docx

Face API Check -
https://westus.dev.cognitive.microsoft.com/docs/services/563879b61984550e40cbbe8d/operations/563879b61984550f30395236

https://azure.microsoft.com/en-in/services/cognitive-services/face/#features
FACE API Demo -
https://azure.microsoft.com/en-in/services/cognitive-services/face/#demo

My Own Hands on Labs & Demos :-
https://wiproblr2011.blob.core.windows.net/ai100natherland/02_FaceAPI_DetectFace.zip
https://wiproblr2011.blob.core.windows.net/ai100natherland/03_Integrate_FaceAPI_LogicApps_OneDrive.zip

Train a custom model using the sample labeling tool -
https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/label-tool?tabs=v2-1
https://docs.microsoft.com/en-us/learn/modules/intro-to-form-recognizer/
https://docs.microsoft.com/en-us/learn/paths/extract-text-from-images-documents/
https://docs.microsoft.com/en-us/learn/modules/work-form-recognizer/
https://docs.microsoft.com/en-us/learn/modules/work-form-recognizer/

********** DAY 4 **********
AZ900 - Azure Fundamentals Detail Material :-
part 1: Describe core Azure concepts - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-cloud-concepts/
Azure Fundamentals part 2: Describe core Azure services - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-core-azure-services/
Azure Fundamentals part 3: Describe core solutions and management tools on Azure - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-core-solutions-management-tools-azure/
Azure Fundamentals part 4: Describe general security and network security features - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-general-security-network-security-features/
Azure Fundamentals part 5: Describe identity, governance, privacy, and compliance features - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-identity-governance-privacy-compliance-features/
Azure Fundamentals part 6: Describe Azure cost management and service level agreements - https://docs.microsoft.com/en-us/learn/paths/az-900-describe-azure-cost-management-service-level-agreements/

AZ900 22 Labs :-
https://microsoftlearning.github.io/AZ-900T0x-MicrosoftAzureFundamentals/

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REAL TIME CONTOSO HELATHCARE CASE STUDY Implementation :-
https://wiproblr2011.blob.core.windows.net/share/deloitteai102/AI-led-business-process-automation.zip
****

Azure ML E-Book for Dp100 -
https://wiproblr2011.blob.core.windows.net/documents/AzureML.pdf
----
Sample Reference Question Papers -
https://wiproblr2011.blob.core.windows.net/share/deloitteai102/AI102 Que.zip
https://wiproblr2011.blob.core.windows.net/share/deloitteai102/dp100.zip
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All the Best for Exam

Thanks
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Note created 8/12/2021 8:37:46 AM

From <https://www.zippyjot.com/note/62116>