

ALOK SINGH

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Number of Applied Skills

3

Modules completed

61

Training hours completed

47 hr 57 min

Applied Skills

Applied Skills Title	Credential number	Earned on
Build an Azure AI Vision solution	D7ED81FEE3FEF8C	Feb 5, 2024
Build a natural language processing solution with Azure AI Language	1DB251EAA9E40A18	Feb 5, 2024
Create an intelligent document processing solution with Azure AI Document Intelligence	9CFD573EABD082	Feb 2, 2024

Modules completed

Module title	Description	Completed on	Duration
Design a model deployment solution	Azure Machine Learning Python SDK v2	May 3, 2024	27 min
Design a machine learning model training solution	Design a machine learning model training solution	May 3, 2024	32 min
Design a data ingestion strategy for machine learning projects	Design a data ingestion strategy for machine learning projects	May 1, 2024	33 min
Train a model and debug it with Responsible AI dashboard	Learn how to debug an AI model using the Responsible AI dashboard in Azure Machine Learning studio to ensure it performs responsibly and is less harmful.	Apr 17, 2024	1 hr 5 min
Get started with prompt flow to develop Large Language Model (LLM) apps	Get started with prompt flow to develop Large Language Model (LLM) apps.	Apr 17, 2024	45 min
Fine-tune a foundation model with Azure Machine Learning	Learn how to fine-tune a foundation model from the model catalog in Azure Machine Learning.	Apr 17, 2024	47 min

Module title	Description	Completed on	Duration
Understand the Transformer architecture and explore large language models in Azure Machine Learning	Learn about the history of natural language processing (NLP), including how the Transformer architecture revolutionized the field and helped us create large language models (LLMs). Work with LLMs in Azure Machine Learning through the foundation models in the model catalog.	Apr 17, 2024	54 min
Deploy a model to a batch endpoint	Deploy a model to a batch endpoint	Apr 14, 2024	44 min
Deploy a model to a managed online endpoint	Deploy a model to a managed online endpoint	Apr 14, 2024	45 min
Run pipelines in Azure Machine Learning	Run pipelines in Azure Machine Learning	Apr 14, 2024	40 min
Perform hyperparameter tuning with Azure Machine Learning	Perform hyperparameter tuning with Azure Machine Learning	Apr 4, 2024	46 min
Track model training with MLflow in jobs	Track model training with MLflow in jobs	Apr 2, 2024	34 min
Run a training script as a command job in Azure Machine Learning	Run a command job with the Azure Machine Learning Python SDK v2	Apr 2, 2024	37 min

Module title	Description	Completed on	Duration
Work with environments in Azure Machine Learning	Azure Machine Learning environments Python SDK v2	Apr 2, 2024	42 min
Work with compute targets in Azure Machine Learning	Azure Machine Learning Python SDK v2	Mar 29, 2024	37 min
Make data available in Azure Machine Learning	Make data available in Azure Machine Learning	Mar 29, 2024	39 min
Explore developer tools for workspace interaction	Explore developer tools for workspace interaction	Mar 24, 2024	57 min
Explore Azure Machine Learning workspace resources and assets	Explore Azure Machine Learning workspace resources and assets	Mar 23, 2024	42 min
Describe the core architectural components of Azure	Concepts around physical and management architecture for Azure, including data centers and regions, management groups and subscriptions, etc.	Mar 7, 2024	48 min
Describe cloud service types	Introduction to cloud service types (Infrastructure, Platform, and Software as a Service models) and associated use cases for each.	Mar 6, 2024	12 min
Image classification with custom Azure AI Vision models	Classify images with custom Azure AI Vision models	Feb 24, 2024	40 min

Module title	Description	Completed on	Duration
Describe the benefits of using cloud services	Introduction to concepts surrounding cloud computing. Mostly platform agnostic, focused instead on general concepts.	Jan 30, 2024	17 min
Describe cloud computing	Introduction to concepts surrounding cloud computing. Mostly platform agnostic, focused instead on general concepts.	Jan 30, 2024	23 min
Read text with the Computer Vision service	Read text with the Computer Vision service	Jan 30, 2024	24 min
Detect and analyze faces with the Face service	Detect and analyze faces with the Face service	Jan 25, 2024	27 min
Analyze images with the Computer Vision service	Analyze images with the Computer Vision service	Jan 25, 2024	46 min
Fundamentals of Azure AI services	This module is an introduction to how Azure AI services can be used to build applications.	Jan 20, 2024	36 min
Fundamentals of machine learning	Machine learning is the basis for most modern artificial intelligence solutions. A familiarity with the core concepts on which machine learning is based is an important foundation for understanding AI.	Jan 20, 2024	1 hr 54 min
Analyze video	Analyze video	Jan 19, 2024	48 min

Module title	Description	Completed on	Duration
Read Text in Images and Documents with the Computer Vision Service	Azure's Computer Vision service uses advanced algorithms to process images and return information based on the visual features you're interested in. This module teaches you how to use the Azure Computer Vision's OCR API and Read API.	Jan 19, 2024	33 min
Detect, analyze, and recognize faces	Detect, analyze, and recognize faces	Jan 19, 2024	1 hr 8 min
Detect objects in images	Detect objects in images	Jan 19, 2024	55 min
Classify images	Classify images	Jan 19, 2024	48 min
Analyze images	Analyze images	Jan 19, 2024	48 min
Build a Form Recognizer custom skill for Azure Cognitive Search	Learn how to use an Azure Form Recognizer solution as a custom skill to enrich content in an Azure Cognitive Search pipeline.	Jan 19, 2024	33 min
Create a composed Form Recognizer model	Learn how to assemble custom models into composed solutions that can analyze different types of your own documents.	Jan 19, 2024	18 min
Extract data from forms with Form Recognizer	Form Recognizer extracts data at scale to enable the submission of documents in real time, at scale, with accuracy. This module gives users the tools to use the Azure Form Recognizer vision API.	Jan 18, 2024	49 min

Module title	Description	Completed on	Duration
Use prebuilt Form Recognizer models	Learn what data you can analyze by choosing prebuilt Forms Analyzer models and how to deploy these models in a Form Analyzer solution.	Jan 18, 2024	21 min
Plan a Form Recognizer solution	Learn how to use Azure Forms Analyzer to build solutions that analyze forms and output data for storage or further processing.	Jan 18, 2024	35 min
Translate speech with the speech service	Translate speech with the speech service	Jan 17, 2024	47 min
Create speech-enabled apps with Azure AI services	Create speech-enabled apps with Azure AI services.	Jan 17, 2024	53 min
Translate text with the Translator service	Translate text with the Translator service	Jan 17, 2024	48 min
Create a custom named entity extraction solution	Create a custom named entity extraction solution	Jan 17, 2024	58 min
Create custom text classification solutions	The Language service within Azure Cognitive Services enables processing of natural language to use in your own app. Learn how to build a custom text classification project.	Jan 17, 2024	58 min
Build a Language Understanding model	The Language Understanding service enables you to train a language model that apps can use to extract meaning from natural language.	Jan 17, 2024	1 hr 5 min

Module title	Description	Completed on	Duration
Get started with data science in Microsoft Fabric	Get started with data science in Microsoft Fabric by learning how to train a model in a notebook, and track your metrics with MLflow and experiments.	Jan 17, 2024	46 min
Build a question answering solution	Create question answering solutions with Azure AI Language	Jan 17, 2024	46 min
Analyze text with Azure AI Language	Analyze text with Azure AI Language	Jan 16, 2024	54 min
Refine and test machine learning models	When we think of machine learning, we often focus on the training process. A small amount of preparation before this process can not only speed up and improve learning but also give us some confidence about how well our models will work when faced with data we have never seen before.	Aug 11, 2023	52 min
Train and evaluate deep learning models	Train and evaluate deep learning models	Aug 11, 2023	2 hr 14 min
Train and evaluate clustering models	Clustering is a kind of machine learning that is used to group similar items into clusters.	Aug 11, 2023	38 min
Train and evaluate classification models	Train and evaluate classification models	Aug 11, 2023	47 min
Train and evaluate regression models	Regression is a commonly used kind of machine learning for predicting numeric values.	Aug 7, 2023	52 min

Module title	Description	Completed on	Duration
Explore and analyze data with Python	Data exploration and analysis is at the core of data science. Data scientists require skills in languages like Python to explore, visualize, and manipulate data.	Aug 7, 2023	49 min
Create a clustering model with Azure Machine Learning designer	Create a clustering model with Azure Machine Learning designer	Aug 3, 2023	1 hr 17 min
Create a classification model with Azure Machine Learning designer	Create a classification model with Azure Machine Learning designer	Aug 3, 2023	1 hr 27 min
Create a Regression Model with Azure Machine Learning designer	Create a Regression Model with Azure Machine Learning designer	Jul 31, 2023	1 hr 20 min
Use Automated Machine Learning in Azure Machine Learning	Use Automated Machine Learning in Azure Machine Learning	Jul 31, 2023	1 hr 14 min
Introduction to machine learning	A high-level overview of machine learning for people with little or no knowledge of computer science and statistics. You'll be introduced to some essential concepts, explore data, and interactively go through the machine learning life-cycle - using Python to train, save, and use a machine learning model like we would in the real world.	Jul 31, 2023	52 min

Module title	Description	Completed on	Duration
Introduction to GitHub Copilot	GitHub Copilot is an AI pair programmer that offers autocomplete-style suggestions as you code.	Jul 30, 2023	17 min
Get started with AI on Azure	Get started with AI on Azure	Jul 30, 2023	34 min