



# GTech Learn

*"Our focus is your Success"*



## Course Contents

# AI-200: Develop AI cloud solutions on Azure

<b>Duration:</b> 5 Days	<b>Level:</b> Intermediate	<b>Role:</b> Developer
<b>Certification:</b> Available	<b>Public Schedules:</b> <a href="#">View Dates</a>	<b>Private Delivery:</b> <a href="#">Reach Us</a>

### What's included?

- ✓ Learn from Microsoft Certified Trainer (MCT's)
- ✓ 24x7 Lab Access
- ✓ Official Courseware
- ✓ Exam Preps / Practice Tests
- ✓ Badges & Completion Certificate
- ✓ Discounted Exam Vouchers



Data & AI  
Azure

Training Services

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## Overview

This course teaches developers how to create, monitor, and troubleshoot AI solutions on Microsoft Azure. Students will learn how to implement Azure compute and containerization patterns to host applications, build serverless APIs with Azure Functions, and integrate services using event-driven and message-based architectures such as Azure Service Bus and Event Grid. The course also covers working with Azure data services that support AI workloads, including designing and querying solutions with Cosmos DB for NoSQL, Azure Database for PostgreSQL with pgvector, and Azure Managed Redis for caching, streaming, and vector search. By the end of the course, developers will be able to connect services, orchestrate AI workflows, and build secure, scalable, and observable AI-driven applications on Azure.

## Audience Profile

This course is designed for developers who build backend and AI-driven applications on Azure and need practical skills in containerized compute, data services for AI, event-driven workflows, and application security and monitoring.

## Contents

### Learning Path 1: Implement container application hosting on Azure

- Store and manage containers in Azure Container Registry
- Deploy containers to Azure App Service

### Learning Path 2: Deploy and manage apps on Azure Container Apps

- Build queries for Azure Cosmos DB for NoSQL
- Implement vector search with Azure Cosmos DB for NoSQL
- Optimize query performance for Azure Cosmos DB for NoSQL

### Learning Path 3: Deploy and monitor applications on Azure Kubernetes Service

- Deploy applications to Azure Kubernetes Service
- Configure applications on Azure Kubernetes Service
- Monitor and troubleshoot applications on Azure Kubernetes Service

### Learning Path 4: Develop AI solutions with Azure Cosmos DB for NoSQL

- Build queries for Azure Cosmos DB for NoSQL
- Implement vector search with Azure Cosmos DB for NoSQL
- Optimize query performance for Azure Cosmos DB for NoSQL

### Learning Path 5: Develop AI solutions with Azure Database for PostgreSQL

- Build and query with Azure Database for PostgreSQL
- Implement vector search with Azure Database for PostgreSQL
- Optimize vector search in Azure Database for PostgreSQL

## **Learning Path 6: Enhance AI solutions with Azure Managed Redis**

- Implement data operations in Azure Managed Redis
- Stream and Coordinate Events in Azure Redis
- Implement vector storage in Azure Managed Redis

## **Learning Path 7: Integrate Backend Services for AI Solutions**

- Queue and process AI operations with Azure Service Bus
- Develop event-driven AI workflows with Azure Event Grid
- Build serverless AI backends with Azure Functions

## **Learning Path 8: Manage application secrets and configuration for AI solutions**

- Manage application secrets with Azure Key Vault
- Manage application settings with Azure App Configuration

## **Learning Path 9: Observe and troubleshoot apps on Azure**

- Instrument an app with Open Telemetry
- Analyze app telemetry with logs and metrics

## About GTech Learn

Established in 2011 in the USA, GTech Learn is one of the leading IT training organizations in North America & South East Asia. Driven by its unique USPs, GTech Learn is spurring competition, meeting the unmet needs of customers, assisting in skills upgrade, and supplementing talent pools with its presence in the USA, Canada, Singapore and India. This is consistent with our vision to help our Learners with skills upgrade for enhanced career opportunities.







As a Microsoft Learning Partner, we offer a broad range of learning solutions across the full Microsoft technology stack that can be customized.

Since 2011, GTech Learn has been developing custom-fit learning solutions that involve creating and delivering maximum results.

We have successfully helped all types of businesses, government entities, and individuals. For this reason, GTech has chosen by Microsoft to deliver comprehensive learning programs around the globe.

With flexible learning options, state-of-the-art delivery methods, numerous language preferences, experienced instructors, and complete dedication to our students, GTech Learn has the capabilities to help students develop their Microsoft skill sets and achieve increasingly high standards of productivity while organizations of all sizes realize the full potential of their technology investments.

## Our Accreditations with Microsoft

 Security Training Services	 Modern Work Training Services	 Business Applications Training Services
 Infrastructure Azure Training Services	 Digital & App Innovation Azure Training Services	 Data & AI Azure Training Services