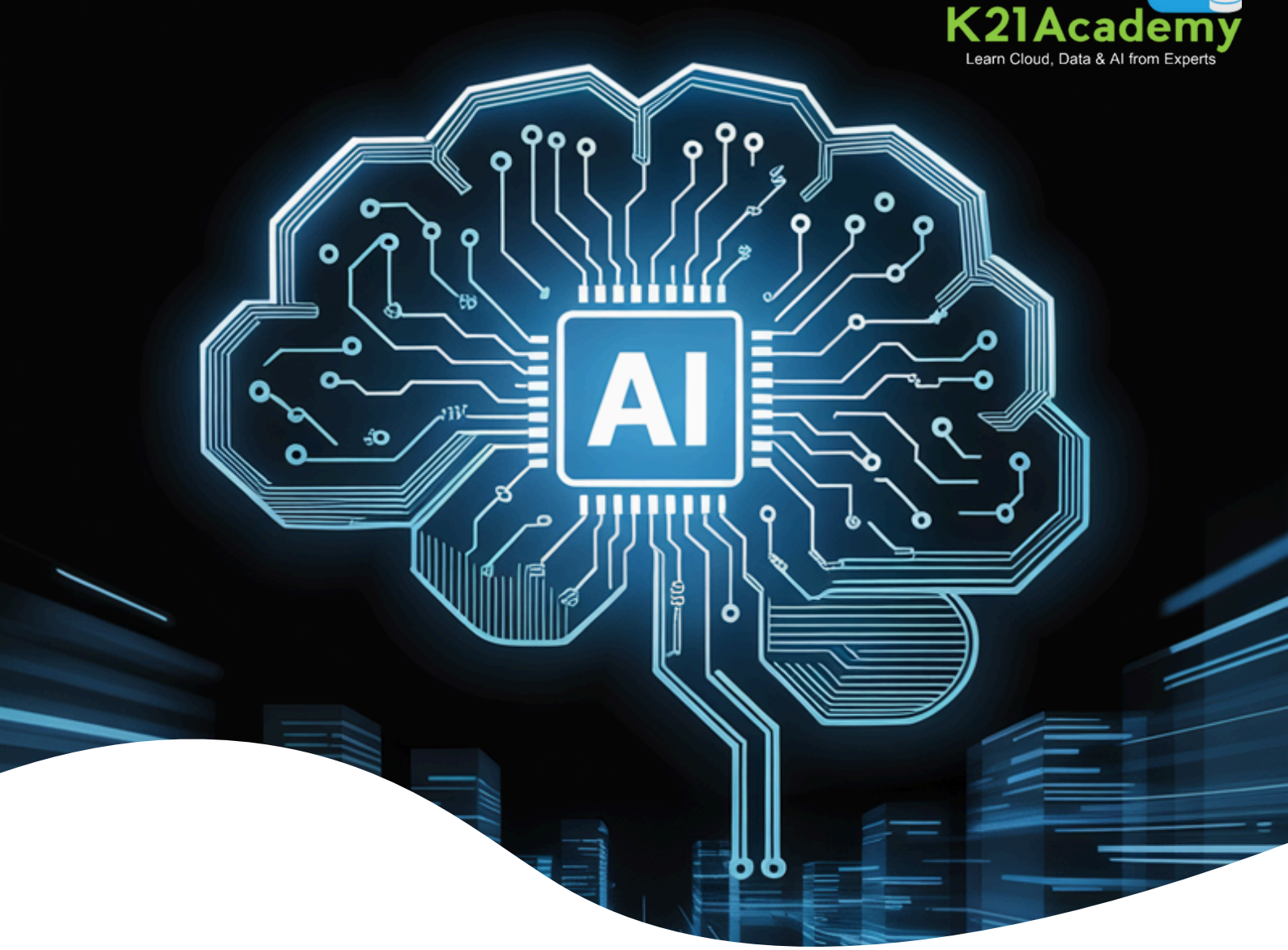
K21Academy
Learn Cloud, Data & AI from Experts



AI/ML

JOB ORIENTED PROGRAM WITH 8 CERTIFICATIONS

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About The Program

The AI/ML Program equips professionals with the skills to seamlessly integrate cloud and on-premise applications using AI and Machine Learning on both AWS and Azure.

Designed for those aiming for a thriving career in the AI/ML industry, the program offers hands-on experience with real-world projects and mentorship from AWS and Azure AI//ML experts.

It covers essential skills for roles like AWS & Azure AI/ML Specialist, Data Scientist, and Machine Learning Engineer, and prepares you for multiple AI/ML certifications on both platforms. Alongside technical training, we provide guidance on enhancing your CV, LinkedIn profile, and job interview skills, positioning you at the forefront of technological transformation.

Schedule a free call to learn more and enroll today.

"We exist to provide accessible, reasonable, and industry-relevant education that empowers India's workforce to grow and develop.

Program Details

This comprehensive training program, AI/ML on Cloud (AWS, Azure), is designed to equip you with the best techniques to integrate cloud and on-premise applications using AI and Machine Learning on both AWS and Azure. Our program is tailored to prepare you for a thriving career in the AI/ML industry, focusing on the most in-demand projects and hands-on labs. Alongside technical training, we also provide guidance on enhancing your CV, LinkedIn profile, and job interview skills to ensure you're job-ready.

With the AI/ML on Cloud (AWS, Azure) program, you'll gain hands-on experience by working on real-world projects under the mentorship of experienced AI/ML experts. This program covers essential skills required for various AI/ML roles, including AWS & Azure AI/ML Specialist, Data Scientist, Machine Learning Engineer, and more. You'll be prepared for multiple AI/ML roles in a single, streamlined learning path. Additionally, you can choose from prestigious AWS & Azure certifications, and we will provide you with the necessary study materials and exam preparation kits to help you succeed.

By mastering AI and ML skills through our AI/ML on Cloud (AWS, Azure) program, you'll not only gain cutting-edge knowledge but also position yourself at the forefront of technological transformation. This will give you a significant advantage when applying for high-paying jobs in the AI/ML industry. Our team of AI/ML experts will be there to support you every step of the way, ensuring you acquire the skills needed for your dream job. We're here to help you succeed and secure a rewarding career in AI and ML on AWS and Azure.

To learn more about the AI/ML on Cloud (AWS, Azure) program and to enroll, schedule a free call today.

Features & Perks

Live Interactive Sessions from AI/ML Experts

Learn from the best in the industry with live sessions from AI/ML experts. They will share their expert tips and tricks, and answer all of your questions.

100 + Industry In-Demand Projects and Hands-on Labs

Get hands-on experience with industry in-demand projects and hands-on labs. This will give you the skills you need to succeed in the job market.

1 year unlimited live seesion retakes

You can rewatch the live sessions and retake the labs for up to 1 year after the program ends. This gives you plenty of time to learn and practice at your own pace.

1 year on-job support

Get help on your job work for 1 year after completing the program.

WhatsApp & ticketing system

Get help from our team of experts via WhatsApp or our ticketing system. We are always available to answer your questions.

Unlimited Mock Interviews

We'll also do mock interviews so you can practice.

6 Months Money-Back Guarantee

If you don't get the result after completing all of the activity labs and projects, you can get a full refund. To qualify for a refund, you must provide proof that you have attended sessions, completing hands-on labs & Projects, applying to at least 50 jobs & get CV Reviewed (share proof) & you feel that the program is not worth the money you invested, you will receive a full refund. (we will help you with the job search & application).

Alumni Spotlight

Tolu Daramola

I was initially a bit hesitant to join K21Academy as I was moving to Cloud and desired to get new opportunities.
I was new to Cloud & didn't even have any IT background. K21Team is commendable. I cleared the AWS certification and based on that I got 2 job offers. Thanks, Atul for the wonderful training.

Antony Santhanam

I received exceptional training at K21 Academy. The instructors are outstanding, and the support team offers thorough guidance throughout the job search process. Finally I secured a job role. Their unwavering support is truly remarkable. I wholeheartedly recommend this institute to anyone looking to secure a job successfully, as I did, thanks to their excellent training and support

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Neha Mittal

I was initially working on Oracle but then realized employers are expecting to know more than one Cloud.
Glad that I learned and started working as Multi Cloud consultant. This has helped me in having better job prospects and of course better rates as Multi Cloud consultant

Alumni Spotlight

Joby

I move to Australia and was struggling to get Job. Atul prepared me on how to prepare resume & interviews With right attitude. I then started getting back 2 back interview. This resulted in Job Offer With in 2 weeks

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Kwame Anim Appiah

After relocating to the US as a complete novice in AWS, I was fortunate to connect with Atul and his team. Their relentless support through the training and lab work was instrumental in my journey. Now, I'm excited to share that I've landed a job in AWS as a Network Support Engineer.

Kennedy Chinedu Okafor

I was a newcomer to cloud technology, recognizing its growing significance in the industry. Eager to advance in my career and embrace new opportunities, I decided to delve into cloud computing. That's when I enrolled in the AWS program offered by K21Academy. This program proved to be a game changer for me, covering comprehensive concepts and providing guidance on job preparation. Thanks to K21Academy, I successfully secured a promising job Offer.

Program Syllabus

AI/ML Job-Oriented

AI/ML & GenAI for Beginners

- Large Language Models (LLMs)
- LLMOps(large language model operations)
- RAG(Retrieval-Augmented Generation) & RagOps
- Feature Engineering
- Frameworks & Libraries in ML (Machine Learning)
- TensorFlow & PyTorch (ML Frameworks)
- NumPy, Matplotlib, Spark MLlib, Scikit-learn
- Keras (Neural Network API)
- Tools: Kubeflow vs MLFlow vs AWS vs Azure vs Google
- ML Methods: Supervised(Un/Semi), RL, ANN, CNN, RNN
- CNN, DNN, RNN, LSTM, ANN ... Neural Network Types
- Ensemble Methods: Bagging, Boost, Stack, Vote..
- AutoML
- LangChain
- Adversarial Machine Learning
- AI Agent, Agentic AI, A2A, MCP ...
- AI Agent
- Agentic AI
- AI Agents vs Agentic AI
- A2A (Application-to-Application) in AI Agents:
- MCP (Message Chain Protocol) in AI Agents:
- A2A vs MCP
- AI Agentic Architecture

Data & Ml using Python

- Introduction to Python for Machine Learning & Basics
- Python Data Structures, Control, and Functions
- Introduction to Machine Learning & Key Packages (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn)
- Exploratory Data Analysis (EDA) & Feature Engineering
- Supervised Learning (Regression & Classification)
- Ensemble Learning & Advanced ML Algorithms
- Unsupervised Learning & Clustering
- Regularization, Cross Validation, Hyperparameter Tuning, and Dimensionality Reduction
- PySpark, SQL, & Data Engineering
- Deep Learning with PyTorch & TensorFlow

Program Syllabus

AI/ML Job-Oriented

- Neural Networks & Advanced Architectures (CNN, RNN, LSTM)
- Deep Learning & Time Series Analysis

Hands-on Labs

- Installing Python & Setting up Jupyter Notebook/Google Colab
- Create & Work with Lists & Tuples
- Create & Understand Dictionaries
- Control Statements
- Function Arguments and Class Objects
- Central Tendency
- Matplotlib & Seaborn, Pandas, NumPy
- Build a Simple Machine Learning Classification Model Using Scikit-Learn
- Linear Regression & Logistic Regression
- Support Vector Machine (SVM)
- Decision Tree, Random Forest, XGBoost, Naive Bayes, KNN (K-Nearest Neighbors
- Model Evaluation Metrics
- Feature Engineering
- Dimensionality Reduction
- Hyperparameter Tuning
- Ensemble Learning
- K-Means Clustering Analysis
- Association Rule Mining

Hands-on Labs

- Frequent Pattern Growth

Cloud For Beginners

- Introduction to Cloud
- Cloud Characteristics
- Benefits of Cloud
- Capex vs Opex
- Cloud Service Models (IaaS, PaaS, SaaS)
- Shared Responsibility Model
- Cloud Deployment Models (Public, Private, Hybrid)
- Choosing a Cloud Platform (AWS, Azure, GCP, OCI)
- Multi-Cloud Strategy

AWS For Beginners

- Cloud & AWS Overview
- AWS Global Infrastructure & Regions
- IAM: Users, Groups, Policies & Roles
- Compute Services: EC2, Lambda, ECS, EKS, Fargate
- Storage & Networking: S3, EBS, VPC, Subnet, Gateway, LB
- Database Services: RDS, DynamoDB, ElastiCache

Program Syllabus

AI/ML Job-Oriented

- Automation & Monitoring: CloudFormation, CloudWatch, CloudTrail
- Application & DevOps Services: SNS, SES, SQS, CodeCommit, CodeBuild
- AWS Architecture & Access Methods

Hands-on Labs

- Create AWS Free Tier Account
- Set Up CloudWatch Billing Alerts
- Manage AWS Costs & Budgets
- Troubleshoot Billing Issues
- Connect Linux Machine on AWS
- Create & Connect Windows Machine on AWS
- Install & Configure AWS CLI
- Create Ubuntu EC2 Instance
- Create IAM User with Administrator Access

Azure For Beginners

- Azure Account & Subscription
- Azure Services Overview
- IAM & Azure Active Directory
- Compute: Virtual Machines, App Service, Functions, Logic App
- Compute: Docker & Kubernetes (ACR, ACI, AKS)
- Networking & Storage Services
- Data Services: SQL, Synapse, Data Factory, Data Lake
- Data Protection: Backup & Restore
- Monitoring: Log Analytics

Hands-on Labs

- Register Azure Free Trial Account
- Switch to Pay-as-you-go Account (Optional)
- Create Budget (Billing Alert)
- Create Windows VM (Quick Start)
- Troubleshoot Connection to VM on Cloud

AWS AI Practitioner Certification (AIF-C01)

- Amazon Bedrock and Generative AI
- Prompt Engineering
- Amazon Q
- AI, ML, Deep Learning, and GenAI
- AWS Managed AI Services
- Amazon SageMaker
- AI Challenges and Responsibilities
- AWS Security Services for AI Solutions

Hands-on Labs

- How To Request Access to Bedrock Foundation Models on AWS Account

Program Syllabus

AI/ML Job-Oriented

Hands-on Labs

- Setting Up and Managing Guardrails with Amazon Bedrock Foundation Models
- Watermark Detection with Amazon Bedrock
- Create, Deploy & Manage Amazon Q Business and Amazon Q Apps
- Exploring AWS AI Services with Amazon Comprehend, Translate, Transcribe, and Textract
- Enhancing Clinical Documentation with Amazon Comprehend Medical & Transcribe Medical
- Text & Vector Embedding with Amazon Titan
- Invoke Zero-Shot Prompt for Text Generation
- AI Stylist Creating Personalized Outfit

Hands-on Labs

- Explore Azure AI Services
- Explore Automated Machine Learning in Azure Machine Learning
- Analyze images in Vision Studio
- Detect faces in Vision Studio
- Read text in Vision Studio
- Analyze text with Language Studio
- Use Question Answering with Language Studio
- Use Conversational Language Understanding with Language Studio
- Explore Speech Studio
- Extract form data in Document Intelligence Studio
- Explore an Azure AI Search index (UI)
- Explore Copilot in Microsoft Edge

Azure AI Fundamentals (AI 900)

- AI Overview & Fundamentals
- Computer Vision with Azure AI
- Natural Language Processing (NLP) with Azure AI
- Document Intelligence & Knowledge Mining
- Generative AI with Azure AI

Build & Manage Generative AI Apps on AWS

- Introduction to Generative AI
- Planning a Generative AI Project
- Amazon Bedrock: Getting Started
- Prompt Engineering Foundation
- Amazon Bedrock Application Components
- Amazon Bedrock Foundation Models

Program Syllabus

AI/ML Job-Oriented

- Amazon SageMaker
- LangChain
- Generative AI Architecture Patterns

Hands-on Labs

- Mitigating Image Bias with Effective Prompt
- Advanced Prompt Techniques
- Extract Insights from Call Transcripts
- Building a RAG Knowledge Management System
- Developing AI-driven question-answer Model
- Craft Prompts & Summarize Text: Playground
- Generate Images with Titan ImageGeneratorG1
- Generating Personalized Service Emails
- Abstractive Text Summarization
- Building Intelligent ReAct Agents
- Text & Vector Embedding with Amazon Titan
- Automating Python Code Generation

Develop Generative AI Apps in Azure AI Foundry

- Get Started with Azure OpenAI Service
- Build Natural Language Solutions with Azure OpenAI Service
- Prompt Flow for LLM Apps in AI Foundry
- Generate Code with Azure OpenAI Service
- Generate Images with Azure OpenAI Service
- Implement RAG with Azure OpenAI Service
- Responsible Generative AI Fundamentals
- LangChain

Hands-on Labs

- Deploy a model in Azure OpenAI Studio
- Integrate Azure OpenAI into your app
- Utilize prompt engineering in your application
- Generate and improve code with Azure OpenAI Service
- Prepare to develop an app in Visual Studio Code
- Validate C++ Code errors Using Azure AI Studio
- Generate images with a DALL-E model
- Mitigating Image Bias with Effective Prompts Azure AI

Program Syllabus

AI/ML Job-Oriented

Hands-on Labs

- Develop a multimodal generative AI app
- Build a custom copilots with prompt flow in the Azure AI Foundry portal
- Create a generative AI app that uses your own data
- Fine-tune a language model for chat completion in the Azure AI Foundry
- Evaluate generative AI performance

AWS ML Engineer Associate Certification (MLA-C01)

- AWS Data Ingestion
- Amazon EBS and Kinesis Data Streams
- Data Transformation & Integrity
- Amazon SageMaker & Built-In Algorithms
- Model Training, Tuning, and Evaluation
- Generative AI Model Fundamentals
- Developing Generative AI Applications
- Security, Identity, and Compliance, Management and Governance

Hands-on Labs

- Build ETL Jobs with AWS Glue
- Amazon Kinesis Data Streams – Hands-On
- Preparing Data for TF-IDF using Sagemaker Notebook
- Glue DataBrew
- Setting Up Jupyter Notebook Environment in SageMaker Studio
- Create & Manage SageMaker Studio: Deploy & Test SageMaker JumpStart Foundation Models
- SageMaker Studio, Canvas, and Data Wrangler
- Build a Bedrock Agent with Action Groups, Knowledge Bases, and Guardrails

Azure AI Engineer (AI 102)

- Get Started with Azure AI Services
- Computer Vision Solutions with Azure AI
- Natural Language Processing (NLP) Solutions with Azure AI
- Knowledge Mining Implementation with Azure AI Search
- AI Document Solutions on Azure
- Generative AI Solution Implementation

Program Syllabus

AI/ML Job-Oriented

- Planning and Managing an Azure AI Solution

Hands-on Labs

- Create a Language Understanding Model with the Azure AI Language Service
- Create an Azure AI Search Solution
- Create a Custom Skill for Azure AI Search
- Enrich a Search Index in Azure AI Search with Custom Classes
- Implement Enhancements to Search Results Using Azure AI Search
- Create a Knowledge Store with Azure AI Search
- Analyze Text with Azure AI Search
- Recognize and Synthesize Speech using Azure AI Speech SDK
- Translate Text with the Azure AI Translator Service
- Use Prebuilt Document Intelligence Models

AWS ML Specialty Certification (MLS-C01)

- Data Engineering in AWS (S3, Glue, Athena, Kinesis, EMR)
- Data Analysis & Transformation (Time Series, Quicksight, Spark, Data Pipelines)
- Machine Learning Fundamentals
- Machine Learning with SageMaker
- High-Level ML Services (Comprehend, Lex, Rekognition, Forecast, etc.)
- Machine Learning Implementation & Operations
- Transformer Models & Generative AI
- Designing and Implementing ML Systems
- Deep Learning & Hyperparameter Tuning

Hands-on Labs

- Build a sample chatbot using Amazon Lex
- Create & manage SageMaker Studio: Deploy & Test SageMaker Jumpstart Foundation Models
- Prepare, Analyze Training Data for ML with SageMaker Data Wrangler & Clarify
- Hyperparameter Optimization using SageMakerAmazon SageMaker Automatic Model Tuning (AMT)
- Tuning, Deploying, and Predicting with Tensorflow on SageMaker
- Build, Train, and Deploy a Machine Learning Model with Amazon SageMaker AI

Program Syllabus

AI/ML Job-Oriented

Hands-on Labs

- Package and deploy classical ML and LLMs easily with Amazon SageMaker
- Prepare, Analyze Training Data for ML
- Train a Deep Learning Model with AWS DL Containers

Azure Data Scientist (DP 100)

- Explore & Configure the Azure ML Workspace
- Experiment with Azure Machine Learning
- Optimize Model Training with Azure ML
- Manage and Review Models in Azure ML
- Deploy and Consume Models with Azure ML
- Develop Generative AI Applications in Azure AI Foundry

Hands-on Labs

- Train a model with the Azure Machine Learning Designer
- Find the best classification model with Automated Machine Learning
- Executing a training script as a command job in Azure Machine Learning

Hands-on Labs

- Run pipelines in Azure Machine Learning
- Perform hyperparameter tuning with a sweep job

MLOps

- **PyCaret –** Low-code ML with built-in experiment tracking
- **MLflow –** Model tracking, packaging, and deployment
- **DAGsHub –** Collaboration and version control for data and models
- **CI/CD with Git & GitHub –** Workflow automation for training and deployment pipelines
- **Docker & Kubernetes –** Containerization and scalable model deployment
- **AWS MLOps –** Model deployment and monitoring with SageMaker + CodePipeline
- **Azure MLOps –** End-to-end ML workflows with Azure ML + DevOps/GitHub Actions

Hands-on Labs

- Versioning and Tracking Models with MLFlow
- Implementing Data Versioning Using DV

Program Syllabus

AI/ML Job-Oriented

Hands-on Labs

- Building a Shared Repository with DagsHub and MLFlow
- Building and Automating ML Models Using Auto-ML Tools
- Monitoring Model Explainability and Data Drift with SHAP and Evidently
- Creating and Deploying Containerized ML Applications
- Deploying Automated ML Services Using BentoML
- Implementing CI/CD Pipelines with GitHub Actions for MLOps
- Tracking Model Performance and Data Drift Using Evidently AI
- Ensuring Data and Model Integrity with Deepchecks

Agentic AI

- Introduction to LLMs and Tokenization
- Advanced Prompting Techniques
- Introduction to RAG Systems
- Building RAG Systems from Scratch
- Introduction to AI Agents
- Advanced AI Agent Frameworks
- RAG with Hybrid and Multi-Vector Models
- Automating Agentic Workflows with N8N
- Designing Explainable and Ethical AI
- Building Multi-Agent Systems

Hands-on Labs

- Compare answers from GPT-4, Claude, Gemini with the same prompt
- Fix broken prompts for marketing and HR tasks
- Use Cognosys to build a Customer Support bot
- Build an AI Agent using N8N
- Watch agent flow and identify agent roles in action
- Explore 4 industry-specific use case workflows
- Launch an Insight Assistant with web search → draft → tone polish
- Build full flow from form input to Google Doc output
- Use ROI calculator for your custom assistant
- Add QA agent/human reviewer for approvals
- Final pitch presentation with tool choice, ROI, and flow diagram

Program Syllabus

AI/ML Job-Oriented

Bonus Labs

- Explore Langflow or CrewAI project
- Observe, tweak, and re-run agent flow
- Run PDF-to-summary flow in CrewAI
- Build AI Agents on AWS
- Build AI Agents on Azure

AI For Project/Program Managers

- AI for Project and Program Managers – Session Recording Available

Containers (Docker) & Kubernetes For beginners

- Introduction to Containers
- Understanding Docker
- Introduction to Kubernetes (K8s)
- Kubernetes Basics

Certifications

AWS Certified Cloud Practitioner (CLF-C01)

This foundational certification validates your understanding of AWS Cloud concepts, core services, security, architecture, pricing, and support. It is ideal for beginners to demonstrate general AWS knowledge and cloud fluency, preparing you for more advanced certifications.

AWS Certified AI Practitioner (AIF-C01)

Designed for individuals familiar with AI/ML technologies on AWS, this certification covers foundational AI/ML concepts, generative AI, and AWS AI services like SageMaker, Comprehend, and Lex. It suits business analysts, IT support, and project managers exploring AI applications.

AWS Certified Machine Learning – Associate (MLS-C01)

This certification focuses on building, training, tuning, and deploying ML models on AWS. It covers data preparation, modeling, and evaluation for those performing development or data science roles.

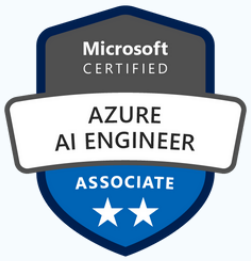
AWS Certified Machine Learning – Specialty (MLS-C01)

An advanced certification validating expertise in designing and deploying ML solutions on AWS. It covers data engineering, exploratory data analysis, model implementation, and operationalizing ML workflows at scale.

Certifications

[AI-900] Microsoft Certified: Azure AI Fundamentals

This certification validates your foundational knowledge of AI concepts and Microsoft Azure AI services, including machine learning, computer vision, natural language processing, and conversational AI.



[AI-102] Microsoft Certified: Azure AI Engineer Associate

This certification validates your ability to design and deploy AI solutions using Azure Cognitive Services, Bot Service, and AI tools, covering NLP, computer vision, conversational AI, and knowledge mining.

[DP-100] Microsoft Certified: Azure Data Scientist Associate

This certification validates your skills in designing and deploying machine learning models using Azure Machine Learning. It covers data preparation, model training, evaluation, and operationalizing ML solutions.

[AZ-900] Microsoft Certified: Azure Fundamentals

This certification is ideal for beginners and non-technical professionals, providing a solid base to start a career in Azure cloud computing and helping you progress into specialized Azure roles.

Real-time Projects

Predict University Admission using Amazon SageMaker Canvas

This project aims to predict the likelihood of university admission using machine learning. Designed for beginners, it introduces automated ML capabilities with AWS SageMaker Autopilot, guiding you through data preprocessing, automated model training, and deployment. You will learn how SageMaker simplifies the ML workflow, enabling you to build effective predictive models with minimal coding.

Building an End-to-End MLOps Pipeline using AWS SageMaker

This project demonstrates how to design and deploy a full machine learning pipeline using SageMaker. From data ingestion and preprocessing to model training, hyperparameter tuning, deployment, and monitoring, you will gain hands-on experience automating ML workflows for scalable production environments.

Housing Price Prediction with SageMaker Autopilot

This project uses SageMaker Autopilot to build an automated machine learning model that predicts housing prices based on various property and market features. It introduces end-to-end automated ML workflows, including data ingestion, model generation, tuning, and deployment, helping you understand the benefits of AutoML in regression tasks.

Credit Card Fraud Detection Using Amazon SageMaker

Designed to detect fraudulent credit card transactions, this project covers the complete ML lifecycle on AWS. You will work with imbalanced datasets, perform feature engineering, and train classification models using SageMaker. The project highlights practical strategies to improve model accuracy and reliability for fraud detection.

Real-time Projects

Build RAG using AWS Bedrock & SageMaker Notebook

This project guides you in building a Retrieval-Augmented Generation (RAG) assistant leveraging AWS Bedrock and Foundation Models. You will learn how to combine external knowledge retrieval with generative AI to create intelligent assistants that provide accurate and context-aware responses.

Real-Time Stock Data Processing

This project implements a real-time data processing pipeline for stock market data using AWS services. You will learn to ingest streaming data, process it, and apply ML models for timely stock trend analysis and prediction, highlighting practical real-time analytics solutions on AWS.

Chatbot Using Azure AI search and Open AI

In this project, you'll build a powerful AI-driven chatbot by integrating Azure AI Search and Open AI. Learn to set up essential cloud services, including storage accounts, Azure Search Service, and Open AI models. You'll upload your own data, train the model, and test its capabilities to create a chatbot that provides intelligent, context-aware responses.

Synthetic Data Generation with LLM

In this project, you'll dive into the world of Synthetic Data Generation using Large Language Models (LLMs). Learn how to set up your environment, install the necessary dependencies, and consume input datasets. You'll generate prompts for inference, set up inference pipelines using Azure ML endpoints, and finally build a fully synthetic dataset with generated labels.

Real-time Projects

Building RAG Application With Langchain

In this project, you'll learn to build a Retrieval-Augmented Generation (RAG) application using Langchain and Azure OpenAI. Start by setting up the Azure OpenAI resource, deploying key base models like GPT-4 and Text-Embedding-3-Large, and preparing the environment in Google Colab. You'll then develop the RAG application by integrating powerful retrieval and generation mechanisms, followed by thorough testing to ensure optimal performance.

AI-Enhanced Advertisement Generation

In this project, you will explore the power of Azure Cosmos DB for MongoDB vCore to create dynamic, personalized advertisements at scale. By integrating advanced AI algorithms, you will analyze user data to generate highly targeted ad content tailored to individual preferences, behaviors, and trends. This innovative approach will allow you to craft advertising experiences that truly resonate with your audience, ensuring maximum engagement and impact while streamlining the ad creation process..

Predicting Diabetes using Azure ML

In this project, you'll build a predictive model for diabetes prediction using Azure Machine Learning. Start by creating an Azure ML workspace and exploring the Azure ML Studio interface. You'll then set up a compute instance, create a dataset, and run an Automated Machine Learning (AutoML) experiment to find the best model. Once the optimal model is selected, you'll deploy predictive services and test the deployed service to ensure accurate predictions.

Credit Card Fraud Detection with Azure ML

In this project, you'll develop a machine learning model to detect credit card fraud using Azure Machine Learning. The project starts by creating an Azure ML workspace and exploring the Azure ML Studio environment. You'll set up a compute instance and create a dataset based on credit card transaction data. After that, you'll create a new AutoML job to identify the best algorithm for fraud detection. Finally, you'll test the model to ensure it effectively identifies fraudulent transactions.

Real-time Projects

Multi-Tasking Agent with Azure OpenAI

In this project, you'll create a multi-tasking agent powered by Azure OpenAI. Start by understanding the core concepts of agents and prompt engineering using Prompty, and learn how to trace and debug the agent's performance for better observability. You'll then build and run the Contoso Creative Writer agent, followed by setting up automated evaluations using GitHub Actions to streamline testing and ensure consistent results

Movie Recommender with Azure ML

In this project, you'll build a Movie Recommendation System using Azure ML by working with a dataset of user ratings and IMDB movie titles. You'll create an ML project pipeline, and use Singular Value Decomposition (SVD) to generate personalized movie recommendations along with their predicted ratings

AI-Powered Financial Advisor Agent

Create an intelligent financial advisor using Azure ML to provide personalized financial recommendations and investment strategies based on user data.

AI Agent for Legal Document Analysis

Build an AI agent that analyzes legal documents, extracts key information, and provides insights, leveraging Azure ML and OpenAI models.

Real-time Projects

Building an End-to-End MLOps Pipeline using Azure DevOps & ML

Design and deploy a fully automated MLOps pipeline using Azure DevOps and Azure ML for seamless model training, deployment, and monitoring.

Autonomous HR Agent for Employee Onboarding

Develop an AI-powered HR agent using Azure tools to autonomously manage the employee onboarding process, from document handling to training schedules.

AI Agent for Healthcare Diagnostics Assistance

Design an AI agent to assist healthcare professionals in diagnosing medical conditions by analyzing patient data and providing diagnostic suggestions.

AI Agent for E-commerce Customer Support

1. Implement a conversational AI agent for e-commerce platforms to provide personalized customer support, answer queries, and assist with product recommendations.

LinkedIn Prep.

- Craft a Compelling Headline
- Write an Engaging Summary
- Showcase Your Experience with Impact
- Build and Nurture Your Network
- Obtain Recommendations and Endorsements

LinkedIn for Visibility & Authority

Learn actionable LinkedIn tips in this engaging, practical course ideal for professionals.

18%

Resume Prep.

- Tailor Your Resume for Each Application
- Emphasize Achievements Over Responsibilities
- Maintain a Professional and Consistent Format
- Highlight Relevant Skills and Qualification
- Proofread and Seek Feedback

Resume Revamp: Unlock Intervie...

Revamp your resume to unlock more interview calls! Tailor it to showcase your skills and experience effectively.

0%

#CREATEIMPACT

THANK YOU

Need more insights?

Speak with our Career Counsellor for a detailed overview of AI/ML Job Oriented Program.

Schedule a Call

K21Academy
Learn Cloud, Data & AI from Experts