

APPLIED AI/ML ON CLOUD PLATFORMS

DEVELOPING, DEPLOYING GENAI AND AGENTS

AI Era Job Ready Skills

Applied AI/ML on Cloud Platforms is a 28-week intensive program that trains students to design, build, and deploy production-grade AI and machine learning systems across the three major cloud providers — AWS, Azure, and GCP. Students master cloud data engineering, model training, MLOps pipelines, GenAI application development, and multi-cloud architecture. Graduates are prepared for roles as Cloud AI Engineers, MLOps Engineers, and GenAI Developers.

"Build, deploy, and scale AI/ML workloads across AWS, Azure, and GCP"

28 WEEKS

DURATION

336

CONTACT HOURS

13.3

CREDIT HOURS

\$8,500.00

TOTAL PROGRAM COST

4+

CERTIFICATIONS

TWC Licensed

#S6776

WIOA Approved

Funding Available

Monthly Intakes

Enroll Anytime

DURATION: 28 Weeks

TUITION: \$8,500.00

NEXT COHORT: Monthly Intakes

PROGRAM HIGHLIGHTS

- ✓ Live Instructor-Led Training
- ✓ Hands-on Labs & Real-World Projects
- ✓ Career Support Services
- ✓ Industry Certification Prep (4 Vouchers)
- ✓ WIOA Funding Available
- ✓ TWC Licensed (#S6776)

CAREER PATHWAYS

Cloud AI Engineer

Agentic AI Developer

GenAI Cloud App Developer

AI Infrastructure Specialist

LLMOps Engineer

Cloud Data Engineer

WORK ENVIRONMENTS

Tech Companies

Financial Services

Healthcare AI

Government Agencies

Research Labs

Cloud Service Providers

LATEST TOOLS & TECHNOLOGIES (2025–2026)

AWS Bedrock

Azure AI Studio

GCP Vertex AI Agent Builder

NVIDIA NIM

LangGraph

CrewAI

Databricks

Snowflake Cortex

Terraform

Kubernetes

ADMISSIONS REQUIREMENTS

- High school diploma or GED required
- Basic Python programming knowledge
- Recommended: Introductory data science or cloud concepts
- Background check required prior to enrollment

PROGRAM OUTCOMES & EARNING POTENTIAL

✓ Job Placement Support

Career coaching & resume prep

✓ Real-World Projects

Live client project experience

✓ Industry Certifications

4+ globally recognized certs

✓ Flexible Schedule

6 cohort options per week

✓ WIOA Eligible

100% tuition coverage available

✓ TWC Licensed

Texas Workforce Commission #S6776

• TWC Licensed #S6776 • WIOA Approved • Monthly Intakes • 100% Hands-On • Job Placement Support •

CLOUD FOUNDATIONS TRACK

AICloud 101 Cloud Fundamentals for AI/ML

Weeks 1–2 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total Hr...

- Understand cloud computing architecture fundamentals (IaaS, PaaS, SaaS).
- Set up cloud environments using AWS, Azure, and GCP.
- Build simple compute, storage, and networking solutions.

Tools: AWS Console, Azure Portal, GCP Cloud Console, Snowflake Co...

AICloud 102 Data Engineering in the Cloud

Weeks 3–4 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total Hr...

- Build cloud-based data pipelines for machine learning.
- Use AWS S3, Azure Blob Storage, and GCP Cloud Storage.
- Implement ETL workflows using cloud-native services.

Tools: AWS Glue, Azure Data Factory, GCP Dataflow, Databricks

CLOUD AI DEVELOPMENT TRACK

AICloud 103 AI Model Development on AWS

Weeks 5–6 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total Hr...

- Train supervised learning models using AWS SageMaker.
- Deploy endpoint inference models.
- Monitor training jobs and tune hyperparameters.

Tools: AWS SageMaker, AWS Bedrock, Jupyter Notebooks

AICloud 104 Azure ML Studio for Enterprise AI

Weeks 7–8 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total Hr...

- Create machine learning experiments in Azure ML Studio.
- Automate pipelines with Azure ML Designer.
- Deploy models to ACI (Azure Container Instances) and AKS.

Tools: Azure AI Studio, Azure Machine Learning, AKS

AICloud 105 GCP AI Platform Solutions

Weeks 9–10 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total Hrs | 1.0 Credit Hrs

- Train and deploy models using GCP Vertex AI.
- Use AutoML for tabular and vision data.
- Implement Explainable AI techniques on GCP.

Tools: GCP Vertex AI Agent Builder, TensorFlow, NVIDIA NIM

CURRICULUM HIGHLIGHTS

✓ Hands-On Labs

Every module includes real cloud lab exercises Learn with the same tools used by top employees

✓ Project-Based

Build portfolio-ready projects each week

✓ Industry Tools

✓ Certification Prep

Included exam vouchers for 4+ certifications

✓ Live Instruction

Expert-led sessions, online and in-person

✓ Career Support

Resume, LinkedIn, and interview coaching

DEVOPS & MLOPS TRACK

AICloud 106 Cloud DevOps for AI Deployment

Weeks 11–12 | Lec 6 Hrs / Lab 18 Hrs / Ext 0 Hrs | 24 Total ...

- Build CI/CD pipelines for AI models using GitHub Actions.
- Containerize AI applications using Docker and Kubernetes.
- Deploy models into production on AWS, Azure, and GCP.

Tools: GitHub Actions, Docker, Kubernetes

AICloud 107 MLOps Pipelines and Automation

Weeks 13–15 | Lec 9 Hrs / Lab 27 Hrs / Ext 0 Hrs | 36 Total ...

- Implement MLOps lifecycle using MLflow and DVC.
- Track model experiments, model registry, and deployment s...
- Automate retraining workflows.

Tools: MLflow, DVC, Jenkins

INNOVATION & ARCHITECTURE TRACK

AICloud 108 GenAI Applications on Cloud

Weeks 16–18 | Lec 9 Hrs / Lab 27 Hrs / Ext 0 Hrs | 36 Total ...

- Build applications with OpenAI APIs and LangChain.
- Deploy Agentic AI, chatbots, and advanced RAG systems u...
- Use vector databases (FAISS, Pinecone) for retrieval systems.

Tools: OpenAI API, LangChain Agents, LangGraph, FAISS

AICloud 109 Multi-Cloud AI Architectures

Weeks 19–21 | Lec 9 Hrs / Lab 27 Hrs / Ext 0 Hrs | 36 Total ...

- Design multi-cloud AI workflows across AWS, Azure, and G...
- Implement cross-cloud pipelines and hybrid cloud strategies.
- Ensure redundancy, security, and monitoring across environ...

Tools: Terraform, Kubernetes, Databricks Mosaic AI, Grafana

AICloud 110 Capstone Project and On-the-Job Training

Weeks 22–28 | Lec 0 Hrs / Lab 0 Hrs / Ext 84 Hrs | 84 Total Hrs | 3.7 Credit Hrs

- Deliver a full cloud-based AI/ML project.
- Develop a multi-cloud AI system integrating real-world requirements.
- Prepare and present deployment documentation and monitoring strategies.

WIOA APPROVED PROGRAM

Zero-Cost AI & Cloud Training JOB-READY SKILLS FOR THE AI ERA

100% Tuition Coverage for WIOA-eligible residents of Texas & Louisiana.

(More states coming soon!)

Not WIOA eligible? Ask about flexible 7–36 months financing or one-time payment discounts.

TWC Licensed (#S6776)

Live (Online/In-Person)

Real-World Projects

Industry Certified



John Enoch (MSc)
AI GOVERNANCE LEAD & CHIEF AI ARCHITECT

- Authority: Microsoft MVP | Engineering Hiring Manager
- Global Footprint: Microsoft & IBM (Principal Architect)
- Elite Education: MIT (AI Modeling), Stanford (Strategy)



Dr. Paul Idowu (PhD)
RESEARCH AUTHORITY & FACULTY LEAD

- Authority: PhD in AI Systems | 390+ Google Scholar Citations
- Elite Academic Pedigree: PhD Pattern Recognition & AI
- Technical Domain: NLP for 130+ African Languages



Devonte Sykes (MSc)
DIGITAL TRANSFORMATION

- Authority: Senior Cloud Architect @ Microsoft
- Elite Academic Pedigree: MSc Information Technology (UCF)
- Technical Domain: Azure IaaS/PaaS, Cloud Migration



Abiodun Olatunji, MBA
ENTERPRISE STRATEGIST & CLOUD AUTHORITY

- Authority: Senior Specialist, Cloud & AI @ Microsoft
- Elite Academic Pedigree: MSc Information Systems, MBA
- Technical Domain: Azure Synapse, Databricks, Big Data



Taiwo Olatunde (MSc)
DATA ARCHITECTURE & ENGINEERING LEAD

- Authority: Microsoft Fabric Expert | Technical Lead
- Elite Academic Pedigree: MSc Business Analytics (UNT)
- Technical Domain: Microsoft Fabric, ETL/ELT Pipelines



Syed Ishaq Ali, MBA
BI STRATEGIST & FINANCIAL ANALYTICS

- Authority: 15-Year Financial Sector Veteran | PMP®
- Global Footprint: Bank of Montreal (BMO), Scotiabank
- Technical Domain: Financial Forecasting, SQL, Power BI



Vaishali Singh
AI & MACHINE LEARNING SPECIALIST

- Authority: Lead AI Engineer
- Technical Domain: Deep Learning, Computer Vision
- Global Footprint: Fortune 500 Tech Companies



Dr. Ibrahim Olokodana
DATA SCIENCE & ANALYTICS EXPERT

- Authority: PhD in Data Science
- Technical Domain: Predictive Modeling, Statistical Analysis
- Elite Academic Pedigree: Advanced Research in ML



Abdullahi Olapojoye
CLOUD INFRASTRUCTURE ARCHITECT

- Authority: Senior Cloud Engineer
- Technical Domain: AWS, GCP, Kubernetes, Terraform
- Global Footprint: Enterprise Cloud Migrations



Mackay Ogunleye
CYBERSECURITY & COMPLIANCE LEAD

- Authority: CISSP, CISM Certified Expert
- Technical Domain: Network Security, Threat Intelligence
- Global Footprint: Global Financial Institutions



Sai Sudha Malluru
SOFTWARE ENGINEERING & DEVOPS

- Authority: Principal Software Engineer
- Technical Domain: CI/CD, Microservices, Agile
- Global Footprint: Leading Tech Startups



Solomon Adegboye
FULL STACK DEVELOPMENT LEAD

- Authority: Senior Full Stack Developer
- Technical Domain: React, Node.js, System Design
- Global Footprint: E-commerce & SaaS Platforms

WORK WITH NVIT BUILDERS



Real-World Projects: This training is 100% hands-on. You will work directly with NVIT builders who support clients across North America. Gain experience on live projects, solving actual business challenges — not just theoretical exercises.

CERTIFICATIONS & VOUCHERS

NVIT Certificate + 4 Industry Certifications (Vouchers Included)

Graduates receive the NVIT Certificate of Completion plus Exam Vouchers to write and pass globally recognized certifications from this list:

- AWS Certified Machine Learning – Specialty
- AWS Certified Solutions Architect – Associate
- AWS Certified DevOps Engineer – Professional
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Microsoft Certified: Azure Data Scientist Associate (DP-100)
- Microsoft Certified: Azure Solutions Architect Expert
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Google Associate Cloud Engineer
- Google Professional Machine Learning Engineer
- Google Professional Cloud DevOps Engineer
- NVIDIA DLI: Fundamentals of Deep Learning
- NVIDIA DLI: Accelerating Data Science Workflows

STANDALONE FEE BREAKDOWN

1. Instructional Tuition	\$7,206.00	
2. Registration Fee	\$50.00	<i>(One-time, non-refundable)</i>
3. Books & Supplies	\$500.00	<i>(Cloud labs, software, e-books)</i>
4. Background Check	\$150.00	<i>(Security clearance processing)</i>
5. Professional Exam Vouchers	\$594.00	<i>(4 Vouchers Included)</i>
TOTAL PROGRAM INVESTMENT	\$8,500.00	

2026–2027 COHORT SCHEDULE

Cohort Name	Days	Time	Format
Alpha / Nova / Forge	Mon – Wed	9:30 AM – 12:30 PM	Morning Session
Helix / Array / Delta	Mon – Wed	1:30 PM – 4:30 PM	Afternoon Session
Photon / Pipeline / Fabric	Mon – Wed	6:00 PM – 9:00 PM	Evening Session
Beta / Snow / Grid	Thu – Sat	9:00 AM – 12:30 PM	Weekend Morning
Cloud / Lambda / Sigma	Thu – Sat	1:30 PM – 4:30 PM	Weekend Afternoon
Nebula / Data / Voyager	Thu – Sat	6:00 PM – 9:00 PM	Weekend Evening

ADMISSIONS & NEXT STEPS

Ready to Apply? Contact our admissions team to secure your spot in the next cohort.
learn.nvit.tech | www.nvit.tech | Mobile: +1 (214) 764-7360

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+1 (214) 407-7229