

APPLIED PROMPT ENGINEERING FOR LLMS

PROMPT DESIGN, LLM OPTIMIZATION & AI WORKFLOWS

AI Era Skill Builder

Applied Prompt Engineering for LLMS is a 12-week intensive program that trains students to design, optimize, and deploy prompts for large language models in production environments. Students master prompt design patterns, chain-of-thought reasoning, few-shot learning, RAG integration, and AI workflow automation. The program covers OpenAI, Anthropic Claude, Google Gemini, and open-source LLMS, preparing graduates for Prompt Engineer and AI Workflow Specialist roles.

"Master the art and science of prompting large language models for production use"

12 WEEKS

DURATION

96

CONTACT HOURS

3.8

CREDIT HOURS

\$2,200.00

TOTAL PROGRAM COST

1+

CERTIFICATIONS

TWC Licensed

#S6776

WIOA Approved

Funding Available

Monthly Intakes

Enroll Anytime

DURATION: 12 Weeks

TUITION: \$2,200.00

NEXT COHORT: Monthly Intakes

PROGRAM HIGHLIGHTS

- ✓ Live Instructor-Led Training
- ✓ Hands-on Labs & Real-World Projects
- ✓ Career Support Services
- ✓ Industry Certification Prep (1 Voucher)
- ✓ WIOA Funding Available
- ✓ TWC Licensed (#S6776)

CAREER PATHWAYS

Prompt Engineer

AI Workflow Specialist

LLM Application Developer

AI Content Strategist

Conversational AI Designer

AI Product Analyst

WORK ENVIRONMENTS

Tech Companies

AI Startups

Marketing & Media

Healthcare AI

Legal Tech

Education Technology

LATEST TOOLS & TECHNOLOGIES (2025–2026)

OpenAI GPT-4

Anthropic Claude

Google Gemini

LangChain

LlamaIndex

PromptFlow

Weights & Biases

Hugging Face

ADMISSIONS REQUIREMENTS

- High school diploma or GED required
- Basic computer literacy required
- No prior AI experience required
- 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

1+ 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 •

PROMPT FOUNDATIONS TRACK

PromptEng 101 Prompt Engineering Fundamentals

Weeks 1–2 | Lec 4 Hrs / Lab 12 Hrs / OJT 0 Hrs | 16 Total Hr...

- Analyze LLM structures and behavior
- Design prompt frameworks (zero-shot, few-shot, chain-of-th...
- Implement role-based prompting and conversational flows

Tools: OpenAI Playground, Anthropic Claude, Cohere

PromptEng 102 Prompt Tuning & Evaluation

Weeks 3–4 | Lec 4 Hrs / Lab 12 Hrs / OJT 0 Hrs | 16 Total Hr...

- Apply few-shot prompting and in-context learning
- Evaluate prompt effectiveness using BLEU, ROUGE, and ot...
- Fine-tune LLM performance by optimizing instructions

Tools: Hugging Face Datasets, Evaluation Metrics Toolkit

ADVANCED PROMPTING TRACK

PromptEng 103 Integration with Applications

Weeks 5–6 | Lec 4 Hrs / Lab 12 Hrs / OJT 0 Hrs | 16 Total Hr...

- Integrate LLMs with web applications via APIs
- Build smart assistants and automation bots
- Implement FastAPI and Streamlit-based LLM frontends

Tools: FastAPI, Streamlit, LangChain

PromptEng 104 Retrieval-Augmented Generation ...

Weeks 7–8 | Lec 4 Hrs / Lab 12 Hrs / OJT 0 Hrs | 16 Total Hr...

- Design and deploy RAG systems combining vector search a...
- Configure embedding models and vector databases (FAISS...
- Monitor and evaluate production LLM systems

Tools: Pinecone, FAISS, LangChain RAG Templates

CURRICULUM HIGHLIGHTS

✓ Hands-On Labs

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

✓ Industry Tools

✓ Live Instruction

✓ Project-Based

Build portfolio-ready projects each week

✓ Certification Prep

Included exam vouchers for 1+ certifications

✓ Career Support

Resume, LinkedIn, and interview coaching

- Live Instructor-Led
- Real-World Projects
- Industry Certifications
- WIOA Approved
- Job Placement Support

APPLICATIONS & CAPSTONE TRACK

PromptEng 105 Multi-Agent Systems & Advanced...

Weeks 9–10 | Lec 4 Hrs / Lab 12 Hrs / OJT 0 Hrs | 16 Total Hrs

- Develop multi-agent collaboration systems for automation
- Apply frameworks like CrewAI and ReAct
- Design task orchestration, agent memory, and inter-agent m...

Tools: CrewAI, LangChain Agents, Flowise

PromptEng 106 Capstone Project and On-the-Job...

Weeks 11–12 | Lec 0 Hrs / Lab 0 Hrs / OJT 64 Hrs | 64 Total ...

- Deliver a real-world prompt engineering project (e.g., RAG b...
- Build, test, and deploy a working system or application
- Prepare comprehensive documentation and business case ...

Tools: OpenAI API, LangChain, FastAPI, Streamlit

CURRICULUM HIGHLIGHTS

✓ Hands-On Labs

Real cloud lab exercises in every module

✓ Industry Tools

Same tools used by top employers

✓ Live Instruction

Expert-led sessions, online and in-person

✓ Project-Based

Portfolio-ready projects each week

✓ Certification Prep

Included exam vouchers for industry certs

✓ Career Support

Resume, LinkedIn, and interview coaching

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 Enoh (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 + 1 Industry Certification (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
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Google Professional Machine Learning Engineer
- NVIDIA DLI: Fundamentals of Deep Learning
- DeepLearning.AI Prompt Engineering for Developers
- OpenAI API Developer Certification

STANDALONE FEE BREAKDOWN

1. Instructional Tuition	\$1,335.00	
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	\$165.00	<i>(1 Voucher Included)</i>
TOTAL PROGRAM INVESTMENT	\$2,200.00	

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

info@nvit.tech
+1 (214) 407-7229