

TECHIX ACADEMY

AI WORKSHOP SERIES: DETAILED CURRICULUM

Philosophy: 'Doing is Knowing' - Hands-on project-based learning for the AI-driven era.

Core 6-Pillar Framework

Our curriculum is built upon six foundational pillars of modern technology. Each workshop applies these pillars to specific industry challenges using production-grade tools.

Pillar	Developers	Fintech	Health Prof.
Cloud Native	Serverless/Microservices	High-Frequency Infra	HIPAA Compliant Cloud
AI Full Stack	React Native & FastAPI	Risk Dashboards	Diagnostic Portals
Cyber Security	AI Model Auditing	Fraud Detection	Data Privacy/Encryption
AI Models/Ops	LLM Tuning & RAG	Market Predictions	Image Diagnostics
Hardware/IoT	Edge AI Optimization	Secure Terminals	Wearable Health Tech
Marketing Analysis	Growth Engineering	Algorithmic Personalization	Patient Outreach AI

Workshop Modules

Module 1: Foundations

Environment setup (M2 Mac optimization), Python FastAPI basics, and LLM API orchestration.

Module 2: The AI Stack

Building RAG (Retrieval-Augmented Generation) systems and vector database integration.

Module 3: Security & Ethics

Socially responsible AI deployment, bias detection, and ethical data handling.

Module 4: Deployment

Cloud-native deployment, CI/CD for AI models, and real-time monitoring.

Led by Industry Veterans

Featuring 40+ years of combined experience at Intel, VMware, IBM, Dell, and HPE.

Visit www.techix.services for more details.