

ExitoLabs

Gen AI

Gen AI AGENT DEVELOPMENT

Become a professional AI Agent Developer

Corporate Training

Data Science With GenAI

Course Modules

Module 1: Foundations of Generative AI in PLM

- Introduction to Gen AI and its evolution
- Overview of machine learning and deep learning basics
- Why Machine Learning & Deep Learning is Still Relevant?
- Building Using GenAI
- Understanding the Future of GenAI in PLM
- Revisit Machine Learning
- Revisit Deep Learning
- Project - Building AI Agents in PLM (Feature , Product ideation)

Module 2: RAG (Retrieval Augmented Generation)

- Vector databases
- Embedding techniques
- Chunking strategies
- Building Using GenAI
- Context optimization
- Knowledge base creation
- Project - Building AI Chatbot on dataset

Module 3: AI Agents

- Prompt engineering
- What is AI Agent
- When to build AI Agent
- Agent Design Foundation
- Build Your First AI Agent
- Single Agent System
- Multi Agent System
- Single Vs Multi Agent System
- Guardrails
- Project Real world usecase

Module 4: Deep Dive into AI Agents

- Agents vs chatbots: What's the difference?
- LangChain & LangGraph basics
- MCP Protocol

- Example of MCP
- Project - Automation testing using MCP
- Vibe coding
- A2A Protocol
- A2A and MCP
- Project :Teamcenter Agent using A2A and MCP
- Building task-driven AI agents

Module 3: Vibe Coding and Workflow Automation

- Introduction to Vibe Coding and GenAI Development Revolution
- Setting up AI-Powered Development Environment
- Mastering Prompt Engineering for Code Generation
- Workflow automation agent platform - n8n
- Project - Real world app development using vibe coding

Module 5: Deploying AI Agents in Production

- Containerizing AI Agents with Docker
- Hosting AI Agents on Cloud and locally
- Scaling AI Agents for High-Volume Workloads
- Implementing Secure AI Agent Deployments
- Monitoring & Maintaining AI Agents in Production

Course Includes



LIVE Sessions



Quizzes & Projects



Course Pre-requisites

- Basic Python or any programming knowledge is required for this course
- Remote access to a Windows machine with:
 - Windows 10 or later
 - Administrative privileges for software installation and environment variable configuration
 - Stable internet connectivity
- Teamcenter 4-tier installed (any version later than Teamcenter 14) on the above system
- AWS environment with Bedrock access keys and secret keys for any Anthropic model
- Your organization is required to create an MS Teams meeting invite and share the meeting link with all participants and the instructor before the training begins

⚠ Note: All the above prerequisites must be arranged and verified at least 1 working week prior to the course start date.

Important Notice

Learning materials will be provided for your personal reference after the training.

However, recording of sessions or unauthorized sharing, distribution, or circulation of any training materials is strictly prohibited and may result in removal from the course or legal action where applicable.

Skills You Will Learn

- Master AI Agent development on PLM systems

- Build autonomous AI agents
- Learn vibe coding
- Understand MCP, A2A technologies in Agents
- Deploy and scale AI agents on cloud platforms and locally
- Develop a real-world AI agent as a real world PLM project

USD

INR

Corporate Training

\$ **2000**

+ Taxes

✓ Live Interactive Sessions

✓ Hands-on Projects

✓ Customized for Corporate Needs



Special Group Discounts Available!

Special discounts available for group enrollments and enterprise customers.
Contact us for custom pricing and volume discounts.

Enroll Now - Start Your GenAI Journey

© 2025 Exito Solutions. All rights reserved.