



AI Agents & LLM Developer

Job Oriented Program

Real Time Project from Tech company

This program is structured to provide a blend of foundational theory, real world practical project, and advanced implementation, including building agents, fine-tuning LLMs, and real-world applications.



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An IIT Alumnus Platform

Powered by: IIT Alumni + Partner Companies + Real-Time Internship Labs

**Industry-Grade AI Developer Program with IIT Mentorship & Real Internships on Company Projects
Get Certified, Intern with Startups, and Launch AI Apps by Graduation**

- Weekly mentorship sessions by IIT Kharagpur / MIT USA alumni
- 1:1 project reviews and code walkthroughs

Limited Intake Only

Registration form

<https://forms.gle/RmeD5ADzmxvAuUpR8>

Scan here



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About the Projects

PROPOSALS WE MADE

- Real-Time, Industry-Aligned Projects for AI & Agentic Model Developers
- Build & Deploy Custom AI Agents for Every Domain
- Company-integrated AI & Agentic Model projects designed by Olewin Academy and its partners.
- Our focus is on preparing learners to solve industry-level challenges using cutting-edge AI tools, guided by IIT alumni and domain experts.

Technology

Education

Our infinite specialized
agentic model

<https://olewinai.com/>

Ed-Tech Agentic models

Comprehensive AI agentic model

<https://olewinacademy.com/>

In Collaboration With

Agents in Energy, Fashion, Multi model agent & Ed-tech

<https://xenolithai.com>

<https://flictronai.com>

<https://geointelli-q.com>

<https://lexxbrainai.com>



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Core Technologies & Frameworks

Here's a comprehensive and well-organized list of all the tools and technologies you're using across Ed-Tech, Energy, and Infinite Agent Model Development at Olewin Academy:

Programming Languages

- Python for AI/ML
- Rust
- Go -Lang
- JavaScript
- Dart

Logic Based on

- OOPS
- DSA

Vector Databases

- Pinecone
 - Weaviate
 - ChromaDB
 - vectorDB and
- MongoDB
 - FirebaseDB
 - AWS
 - Google

(LLMs) & Agent Frameworks

- Transformers (HuggingFace)
- LangChain – For chaining LLM operations
- OpenAI APIs – ChatGPT, Codex, GPT-4.5
- HuggingFace Hub – Models, datasets, tokenizers
- Ollama – Local model runner (for custom agents)
- LM Studio – GUI for running local LLMs
- Llama.cpp – Lightweight local inference engine
- TGI (Text Generation Inference) – Scalable inference
- vLLM – Fast LLM inference framework
- PEFT (Parameter-Efficient Fine-Tuning) – Adapter-based model training
- LangGraph – Multi-step LLM applications (graph-based)
- AutoGen (Microsoft) – Autonomous LLM agents
- CrewAI – Team-based AI agents
- AgentOps – Observability and deployment of AI agents



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Web & Application Frameworks

- **Flask / FastAPI** – Python-based backend APIs
- **React.js** – Frontend web applications
- **Firebase** – Realtime database + auth (web & mobile apps)
- **Node.js** – Backend services and tooling
- **Next.js** – React-based fullstack web apps
- **Docker** – Containerization & scalable deployment
- **Tauri** – Cross-platform desktop app development (Rust + JS)

Use Cases per Domain

Ed-Tech

- Real-time dashboards (React + Firebase)
- AI agents for resume building, content creation
- Learning path generators (LangChain + Pinecone)
- Adaptive quizzes & doubt solvers (LLM + LangGraph)

Energy Sector

- AI for geoscience & energy data (Python + Transformers)
- Remote sensing analysis (HuggingFace + FAISS)
- Predictive models (LLMs + ChromaDB)
- Quantum-ML agents (coming soon)

Infinite Agentic Model

- CrewAI teams for project workflows
- Autonomous knowledge workers (AutoGen + OpenAI)
- AI studio with integrated RAG pipelines (Olewin Studio)
- Multi-agent orchestration (AgentOps + LangGraph)



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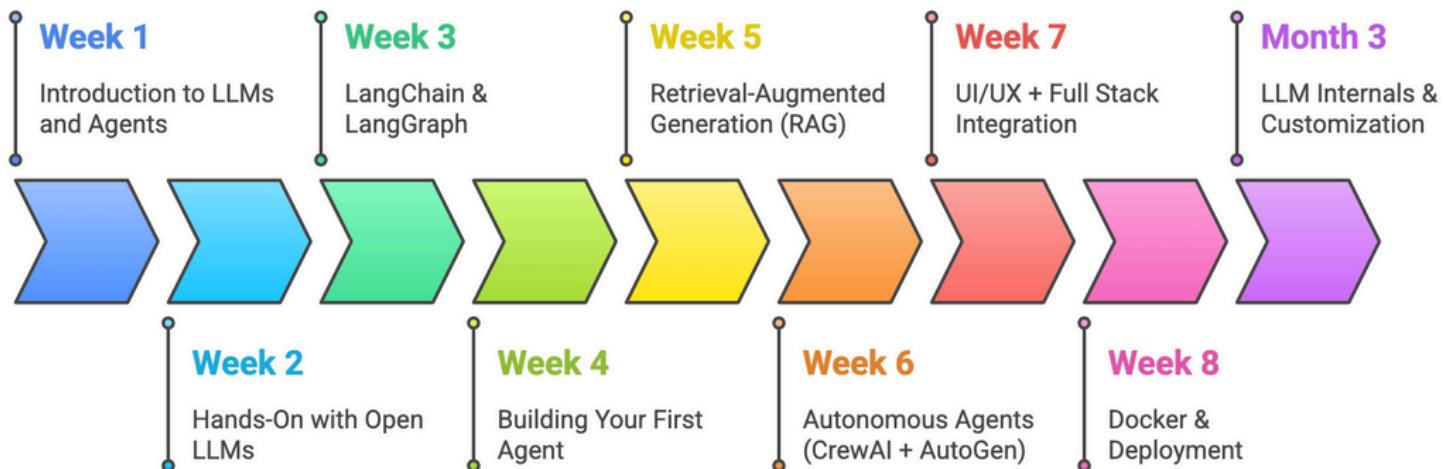


3-MONTH PROGRAM – "AI Agent Fast-Track Developer Program"

Outcome:

- Build & deploy 3 full-stack AI agent applications
- Work on real-time industry-aligned projects
- Internship letter from partner company
- IIT alumnus & industry mentor guidance

3-Month AI Agent & LLM Developer Fast Track



Limited Intake Only



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Curriculum & Modules

Month 1: Foundations + Real-World RAG System

Weeks 1-2:

Intro to LLMs, LangChain, Ollama, Agents

Prompt engineering, chaining, memory, tool use

Mini Project 1: Local LLM chatbot using Ollama + LangChain

Weeks 3-4:

RAG pipelines (FAISS, ChromaDB, BGE)

File processing (PDF, Word, CSV) using LangChain

Frontend (React) + Backend (FastAPI) integration

Company Project 1: Build a Legal Document AI Chatbot

Deployment: Docker + Hugging Face Spaces

Output: GitHub Repo, Resume Integration



Month 2: Multi-Agent Systems + Real Internship Collaboration

Weeks 5-6:

CrewAI, AutoGen, LangGraph (state-based workflows)

Multi-agent design: planner, coder, evaluator

Mini Project 2: Auto Research Assistant

Crawl web, analyze papers, summarize findings

Weeks 7-8:

Resume parser agent + Job match AI using CrewAI

API integration (e.g., LinkedIn, Job APIs)

Company Project 2: AI HR Assistant for Resume Screening

Used in internship hiring pipelines

Work under real company feedback cycle



Month 3: Internship + Product Deployment

Weeks 9-12:

2-week internship with startup (remote/hybrid)

Daily standups, Git repo contributions

Mentor sessions with IIT/IISc alumni

Capstone Project: AI Customer Support Agent (Multi-lingual, memory, database)

Features: Memory, history, live integration

Final Demo: Present to a panel



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6-MONTH PROGRAM – "LLM Architect & Agent Mastery Program"

Outcome:

- **6+ full-stack projects with company mentors**
- **Live deployments + internships**
- **Fine-tune and host custom models**
- **LLMOps, optimization, team collaboration**



Months 1–3: (Same as 3-Month Track)



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Curriculum & Modules

Month 4: Custom LLM Training & Fine-Tuning

- HuggingFace Datasets, Tokenizers
- PEFT, LoRA, QLoRA training pipelines
- Quantization + Inference optimization (GGUF, ONNX)
- Project 4: Fine-tune a support chatbot for an e-commerce firm
- Data: Customer queries + responses
- Tools: Transformers, PEFT, BitsAndBytes



Month 5: Full-Stack LLM SaaS App + Live Client

- Web Dashboard (React + FastAPI/Tauri)
- Role-based access, API keys, usage analytics
- Security, logging, analytics
- Company Project 5: Build a Full-stack AI Legal Assistant SaaS
 - Feature: Secure user login, doc upload, agent query
 - Company feedback every week

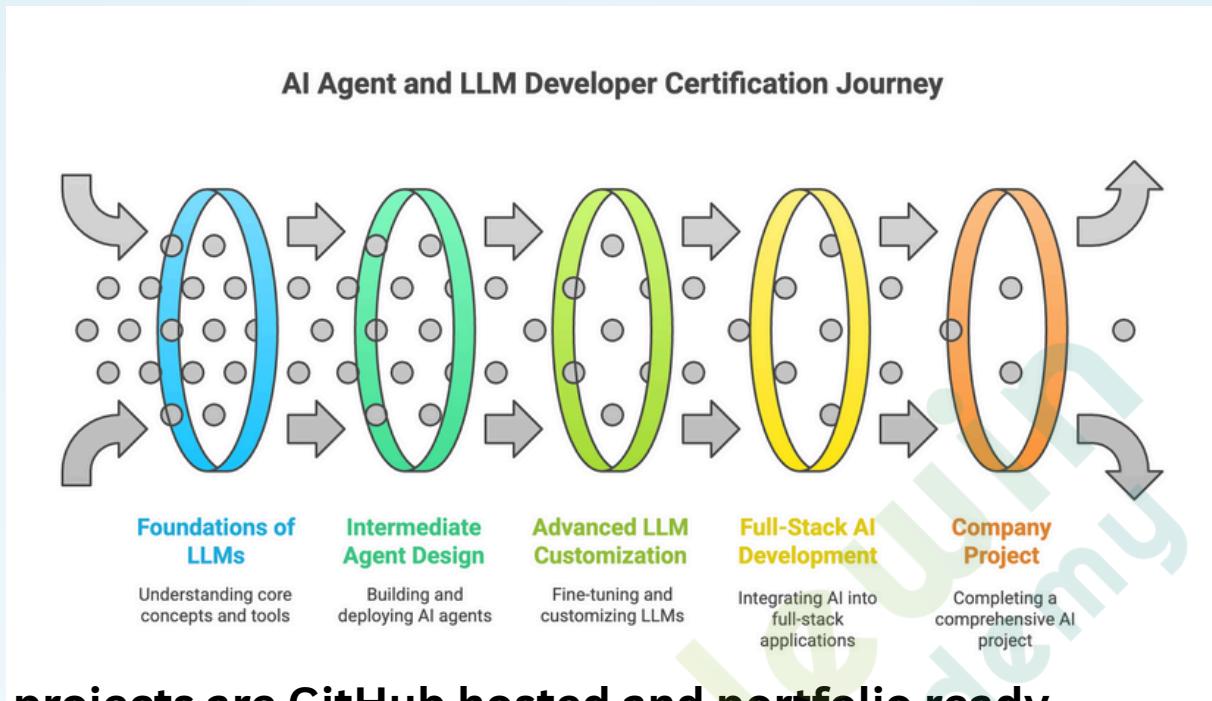
Month 6: Internship + Project Launch

- Full internship with assigned company (4 weeks)
- Collaborate with engineers on:
- Real bug fixing, repo contributions
- Stand-ups, PR reviews
- Soft skills training: Email, Demo, Documentation
- Project: LLM-powered Agent as a Service (AAAS)
- Team submission
- Deployed to HuggingFace or Cloudflare Workers



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- All projects are GitHub hosted and portfolio ready
- Internship certificate + LOR issued by real companies

Showcase Events & Recognition

- Demo Day – Present your project to IIT alumni, VCs & company mentors
- Best Project Awards – Win recognitions from top industry judges
- LinkedIn & GitHub Boost – Get recommended by mentors directly

Where Our Projects Go

- Our learners' projects have been:
- Deployed on HuggingFace, Vercel, AWS, and Cloudflare Workers
- Used internally by startups for HR, legal, and support operations
- Featured in hiring portfolios and job interviews across top MNCs



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Submit Form



JOB FAIR CAREER EXPO

- This career expo is an excellent chance to explore multiple job opportunities in one place.
- Selected candidates will be called for offline Project Discussion



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Hyderabad



Time

Updated via Email



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- Cloud Computing



For Jobs

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WHAT SHOULD YOU EXPECT FROM THIS PROGRAM....?

- Recognized Certification
- Real-World Application Development
- Job-Ready Technical Training
- Placement & Job/Career Support
- Master in-demand skills tailored to meet the needs of MNCs and private sector companies making you job-ready from day one.



2 -Certifications based on Real-world Projects & Internships (Paid & UnPaid)



- Official Internship Endorsement
- Project-Based Experience
- Industry-Aligned Exposure
- Skill Application Proof
- Career Advancement Credential
- Real world Projects development with AI -Driven and deploy it as a Service model

Why Settle for Theory When You Can Build the Future?

Note:- Admissions is based on a shortlisting process. Only selected candidates will receive the opportunity to join this immersive, career-transforming journey.



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COMPANY PROFILE



Olewin
Academy

AN IIT ALUMNUS PLATFORM

Empowering learners globally with quality education
and training content for new approach to learning
paradigms

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