

LLM Based Embeddings and Vision AI – Hands-On Programme


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Stop relying on theory alone. Start building multimodal AI systems that work in the real world. This intensive 2-day programme equips you with practical skills in LLM embeddings, Vision AI and multimodal prompting – applied to realistic use cases in manufacturing, food tech and semiconductor analytics – to help you **design, prototype and deploy intelligent AI workflows with confidence.**

Master embeddings. Build with Vision LLMs. Fine-tune for your domain. – 100% HRDF Claimable.

Who Should Attend

AI engineers, data scientists, developers, technical analysts and innovation teams who want stronger applied capability in multimodal AI, especially for technical, manufacturing and image-centric use cases.

Why Sign Up

Gain practical rather than purely conceptual exposure to embeddings, Vision AI and multimodal implementation. Learn on realistic use cases. Strengthen decision-making on when to use prompting, Vision LLMs, YOLO comparison or fine-tuning.

What You Will Learn

- 1

Data Embeddings
Understand embeddings, why they matter and how to obtain different LLM embeddings. Explain and select the right embedding approaches for your use case.
- 2

LLM Design Variants
Design options for classification and prediction using LiteLLM and Python. Prototype embedding-driven workflows with immediate hands-on practice.
- 3

Vision AI Foundations
Compare YOLO with Vision LLMs, tune parameters and improve prompting. Design stronger multimodal prompts for image understanding tasks.
- 4

Applied Multimodal Use Cases
Build food image calorie estimation and wafer failure classification examples. Convert real business problems into workable multimodal AI solutions.
- 5

Fine-Tuning Vision Language Models
Supervised fine-tuning concepts and ModelScope-based workflows. Decide confidently when and how to fine-tune for your operational scenario.
- 6

Advanced Defect Analytics
Feature-augmented wafer images and instruction fine-tuning for defect and yield tasks. Improve accuracy and generate structured analytical outputs.

Practical & Hands-On

Real datasets, working code and applied exercises across embeddings, Vision LLMs and fine-tuning workflows.

Highly Applied

Realistic industry use cases including semiconductor wafer defect classification and food image calorie estimation.

Immediate Professional Value

Use techniques right away to design, evaluate and deploy multimodal AI solutions for real operational decisions.

Leave with a clear framework for embeddings and Vision AI, hands-on experience across prompting, few-shot learning and fine-tuning, and the practical judgment to compare architectures – standing out as a stronger, more capable multimodal AI practitioner.



Ready to build real multimodal AI capability across embeddings, Vision LLMs and fine-tuning? Enroll your team in this high-impact 2-day programme and move from concept to working solutions immediately.

Inhouse and public run options available. Contact us for pricing and scheduling. Pre-register to secure your seat today.

Contact us email azli.ismail@eliteindigo.com or **WhatsApp 6012 705 5594 (Aisha)** or visit www.kredenzaadigital.com/eliteindigoprogram