



Applying Large Models Across Industries: Practical Use Cases in Finance, Mining & Power

Introduction

The rapid maturation of **AI foundation model technologies** is reshaping how industries operate turning generative AI into a core driver of digital transformation across every sector. Yet bringing these models into production is far from straightforward: real-world deployments still face critical challenges around technology readiness, compute resources, data privacy, regulatory compliance, and security. For business and technical professionals working on industry-specific use cases, success now depends on the ability to think systematically about where, how, and why foundation models should be applied and to translate their core capabilities into measurable business outcomes.

This expert-led training delivers a structured, application-first view of foundation model adoption in industry. It opens with a clear overview of how AI technologies have evolved and how they are being integrated across verticals, then dives into hands-on application practices and real case studies in three high-impact sectors: **finance, mining, and power**. Through these examples, learners will explore the core capabilities, deployment scenarios, and proven patterns of foundation models in industrial environments building a solid, business-ready understanding of how to identify, design, and operationalize AI use cases that deliver real value.

Course Objectives

By the end of this course, learners will be able to:

1. Understand the evolution of AI technologies and build a foundational view of how large models are being applied across industries.
2. Identify feasible AI scenarios and proven practical use cases in industries such as finance, mining, and power.
3. Develop realistic technical expectations to ensure the safe, reliable, and effective application of AI in business operations.

Target Trainees

AI architects, engineers, technology professionals, product managers, business strategists, and IT support staff working with or planning to deploy large model-based applications and intelligent systems in industry-specific environments.

Duration

1 hour 20min

Course Contents

Module 1 : Industry-Ready AI: Overview of Foundation Model Applications Across Verticals

Module 2 : Foundation Models in Finance: Application Practices & Real-World Case Studies

Module 3 : Foundation Models in Mining: Application Practices & Real-World Case Studies

Module 4 : Foundation Models in Power & Energy: Application Practices & Real-World Case Studies