Gen AI: Beyond the Chatbot Review

Congratulations on completing the first course of the Gen AI Leader learning path. This course summary is your review guide. Print it for a handy reference as you continue your gen AI learning journey.

Generative AI is a type of AI that can create new content and ideas. Gen AI applications can be multimodal, enabling them to process and generate different types of data like text, images, and code simultaneously. Gen AI can:

Create
Generate new content.

Summarize
Condense information into concise summaries

Discover
Find information at the right time

Automate
Automate previously manual tasks

Foundation models
Large AI models trained on massive datasets, allowing them to be adapted to many tasks. They are the basis of gen AI.

Key Features of Foundation Models:
- Trained on diverse data.
- Flexible to a wide range of use cases.
- Adaptable to specialized domains through additional, targeted training.

Prompting
Prompting is the method of interacting with and guiding foundation models by providing them with instructions or inputs to generate desired outputs.

Ask Gemini

Google is an AI first company
- Gen AI tools are integrated across Google's ecosystem.
- Google ensures you stay updated with the latest AI advancements.
- Google provides an-ecosystem that puts security and ethics at the forefront.
- Build on Google Cloud's enterprise-grade foundation.
- Google's open approach gives you flexibility and choice in your AI solutions.

Gen AI strategy: Combine a top-down approach (leadership setting the vision and strategy) with a bottom-up approach (employees identifying practical applications and providing feedback).

- **Strategic focus:** Prioritize focused gen AI implementations with clear business value.
- **Exploration:** Encourage experimentation and collaboration to discover valuable gen AI applications.
- **Responsible AI:** Establish ethical guidelines and ensure secure and responsible AI development.
- **Resourcing:** Invest in data strategy, leverage existing resources, and develop AI talent.
- **Impact:** Measure gen AI's impact on business goals and demonstrate tangible benefits.
- **Continuous improvement:** Continuously refine gen AI solutions based on feedback and data.

Gemini is a Google gen AI model that powers many different solutions.
- Gemini app
- Gemini for Workspace
- Gemini for Google Cloud

Vertex AI is Google Cloud's unified ML platform. It empowers you to build, train, and deploy ML applications. Vertex AI gives you access to generative AI models (such as Gemini) and lets you tune them to meet your needs, and then deploy them.