Gen AI Apps: Transform Your Work

Congratulations on completing the fourth 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.
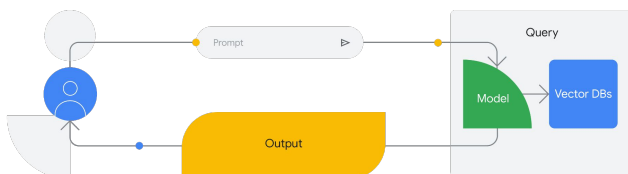
Prompting techniques

Zero-shot: Asking the model to complete a task with no prior examples.

One-shot: Providing the model with one example to learn from.

Few-shot: Giving the model multiple examples to learn from.

Role: Assigning a persona to the model to influence its style, tone, and focus.

Prompt Chaining: Engaging in a back and forth conversation with the AI.

Model guidance and refinement

Grounding: Connecting the AI's output to verifiable sources of information.

RAG: Retrieval-Augmented Generation

1. **Retrieving relevant information:** The AI model retrieves relevant information from a vast knowledge base.
2. **Generating output:** The model then uses this retrieved information to generate the final output.

Gemini tooling for personal productivity

The Gemini app is Google's generative AI chatbot, where you can get help with writing, planning, learning, and more.

Gemini for Google Workspace integrates gen AI into familiar Workspace apps, allowing you to do things like compose emails in Gmail, generate images in Slides, and summarize notes in Meet.

Gemini for Google Cloud is your AI assistant for Google Cloud. It can help you write and debug code, manage and optimize cloud applications, analyze data in BigQuery, and strengthen your security posture.

NotebookLM allows you to upload your files and then acts as a research assistant, summarizing key points, answering questions, and generating ideas, all while staying grounded in your source material.

Streamlining Prompting Workflows

- **Reusing Prompts**: Saving prompts as templates for repeated use.
- Leveraging **Prompt Chaining**: Continuing conversations within the same chatbot to maintain context.
- Using **Saved Info** in Gemini: Storing specific information for the model to use consistently.
- **Gems** are personalized AI assistants within Gemini. They provide personalized responses tailored to specific instructions, streamline workflows like templates, prompts, and guided interactions.