[Awesome Generative AI](https://github.com/aishwaryanr/awesome-generative-ai-guide?tab=readme-ov-file" \l "book-list-of-free-genai-courses)

Week 1 [Jan 15 2024]**\*:**[**Practical Introduction to LLMs**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week1_part1_foundations.md)

* Applied LLM Foundations
* Real World LLM Use Cases
* Domain and Task Adaptation Methods

🗓️\*Week 2 [Jan 22 2024]**\*:**[**Prompting and Prompt Engineering**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week2_prompting.md)

* Basic Prompting Principles
* Types of Prompting
* Applications, Risks and Advanced Prompting

🗓️\*Week 3 [Jan 29 2024]**\*:**[**LLM Fine-tuning**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week3_finetuning_llms.md)

* Basics of Fine-Tuning
* Types of Fine-Tuning
* Fine-Tuning Challenges

🗓️\*Week 4 [Feb 5 2024]**\*:**[**RAG (Retrieval-Augmented Generation)**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week4_RAG.md)

* Understanding the concept of RAG in LLMs
* Key components of RAG
* Advanced RAG Methods

🗓️\*Week 5 [ Feb 12 2024]**\*:**[**Tools for building LLM Apps**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week5_tools_for_LLM_apps.md)

* Fine-tuning Tools
* RAG Tools
* Tools for observability, prompting, serving, vector search etc.

🗓️\*Week 6 [Feb 19 2024]**\*:**[**Evaluation Techniques**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week6_llm_evaluation.md)

* Types of Evaluation
* Common Evaluation Benchmarks
* Common Metrics

🗓️\*Week 7 [Feb 26 2024]**\*:**[**Building Your Own LLM Application**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week7_build_llm_app.md)

* Components of LLM application
* Build your own LLM App end to end

🗓️\*Week 8 [March 4 2024]**\*:**[**Advanced Features and Deployment**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week8_advanced_features.md)

* LLM lifecycle and LLMOps
* LLM Monitoring and Observability
* Deployment strategies

🗓️\*Week 9 [March 11 2024]**\*:**[**Challenges with LLMs**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week9_challenges_with_llms.md)

* Scaling Challenges
* Behavioral Challenges
* Future directions

🗓️\*Week 10 [March 18 2024]**\*:**[**Emerging Research Trends**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week10_research_trends.md)

* Smaller and more performant models
* Multimodal models
* LLM Alignment

🗓️\*Week 11 \*Bonus\* [March 25 2024]**\*:**[**Foundations**](https://github.com/aishwaryanr/awesome-generative-ai-guide/blob/main/free_courses/Applied_LLMs_Mastery_2024/week11_foundations.md)

* Generative Models Foundations
* Self-Attention and Transformers
* Neural Networks for Language