

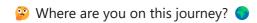
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Your Generative Al Roadmap

Depending on your background, goals, and interests, you can move through these stages or stay where it makes the most sense for you. Here's a practical roadmap for Generative AI:

- User Stage
- Try out tools for text, images, and video; apply them to your own use case.
- Browse sites like "There's an AI for That" and "Product Hunt" to discover new tools.
- Stick with what's useful, cost-effective, and actually solves a problem.
- Don't chase every new trend/advt on tools unless that promises to address your real pain points.
- Learn prompt engineering: define roles, objectives, context, instructions, and constraints.
- Developer Stage
- Understand how LLMs (Large Language Models) work, what do parameters like temperature really do?
- Go deeper with advanced prompt techniques: few-shot learning, chain-of-thought, use of reasoning and search models.
- Dive into RAG (Retrieval-Augmented Generation) using tools like LangChain or LlamaIndex.
- Try fine-tuning models via Hugging Face, or no-code tools like Ludwig, Vertex AI, or Azure AI Studio.
- Build automation workflows ( LangGraph), autonomous agents ( AutoGen, CrewAl), and deploy with proper guardrails.
- Researcher Stage (I am not there myself, but here's what I imagine)
- Build or fine-tune LLMs from scratch, right from the original transformer paper to today's latest-andgreatest.
- Customize architectures for your own research problems. Think multi-modal, multi-agent.
- Develop RAG systems for complex data types like graphs using new retrieval methods.
- .... Sky is the limit



#GenerativeAI #Alroadmap #PromptEngineering #LangChain #gde #mvpbuzz #HuggingFace

#MachineLearning #AlCommunity #TechLearning #AutonomousAgents #LLMs #FutureOfWork #RAG

#Altools #NoCodeAI #AlResearch LangChain LlamaIndex Google Microsoft OpenAI Anthropic

