Category	Name	Description							
			*If you wish to contribute anything, please leave comments in this sheet - we'll verify the resource and add it accordingly. Help out your fellow classmates!						
			*Cells in gold are recommended by the course staff - definitely explore these even if you don't plan on using them						
Go through first	State of GPT	A talk by Andrej Karpathy to get you up to speed on LLMs							
	A Hackers' Guide to Language Models	A 90 minute crash course on language models, using APIs and open-source models, and finetuning							
	okay but I want GPT to perform 10x for my specific use case	A short video on how to plan for improving your model's performance for a specific use case							
	Multimodal 101 Tutorial	Exploring the use of Multimodal Models to tackle tasks that require jointly using text and image							
	Intro to Large Language Models	Another talk by Andrej Karpathy on topics surrounding LLMs							
Quick Courses	LLM Course - Maxime Labonne	The most popular resource to learn LLMs Offers roadmaps and content on every aspect of using these models Highly recommended to skim through to find what's next to learn							
	deeplearning.ai Short Courses	Quick 1-2 hour courses on surface-level topics relating to recent developments Some topics include: Prompt Engineering, LangChain, Finetuning, Diffusion Models							
	W&B Courses	More comprehensive but slightly longer tutorials							
	HuggingFace NLP Course	Very good for getting an overview of general topics in NLP The best for getting a hang of using transformers Look through the blogs for newer developments							
	LangChain Playlist - DataIndy	The most popular YouTube resource for learning LangChain Slightly outdated							
	Made With ML	Covers aspects of ML from a development/deployment POV Less relevant to this course but still worthwhile to explore							
Catalogs	awesome-langchain	Collection of repositories of LangChain projects Highly recommended to go through this for inspiration!							
	State of LLM Apps (Streamlit)	Information, statistics, a gallery and more. All related to applications made using LLMs. Provided by streamlit.							
	rentry Local Models Related Links	Huge catalog of links related to papers, tools, datasets, leaderboards etc. Covers domains outside of just text: Vision, Speech, Visual-Language etc.							
	open-TTS	A repo tracking open-source TTS models as they come out (could help with ASR too)							
	LangChain Tutorials	Quick tutorials from the official LangChain site							
	Weaviate Tutorials	Quick tutorials from the official Weaviate site							
Tools/Docs	LangChain	Popular framework for working with language models in general							
	OpenAI API	Endpoints for inference using proprietary models like GPT-4, DALL-E 3, and their Embedding engines							
	Anyscale	Popular platform for developing, deploying and scaing AI applications							
	HuggingFace Models	Collection of open-source models across a variety of domains LOOK FOR MODELS OUTSIDE OF JUST LLMS HERE (Multimodal, Vision, Speech etc.)							
	Diffusers	The go-to library for running pretrained Diffusion models (for text-to-image generation)							
	axolotl	Popular minimalistic Framework for LLM finetuning							
	ollama	Framework for LLM inference							
	unsloth	ollama but cooler							
	vllm	Framework for LLM inference and serving							
	llmware	LLM Development framework							
	Intel Extension for Transformers	Allows for running models efficiently on Intel systems							
	HuggingFace PEFT	Tool for finetuning models Supports a lot of parameter-efficient techniques (including QLoRA)							
	HuggingFace trl	Training toolkit Supports RLHF (DPO, PPO)							
	Pinecone	Vector database (recommended)							
	Qdrant	Vector database							
	Weaviate	Vector database							
Deployment	HuggingFace + Gradio	Good choice for hosting custom models for inference as endpoints							
	SageMaker	AWS platform for everything ML							
	streamlit	Recommended for quick deployment and ease of use							
Miscellaneous	vast.ai	Best on the market for renting GPUs							
	Paperspace	Another good choice for renting GPUs							
	Lambda Labs	Another good choice for renting GPUs							