

Artificial Intelligence 101

12 AI Concepts You Need to Master in 2026



Anil Inamdar

DON'T FORGET TO SAVE

AI Agents

WHAT IT IS:
• Autonomous systems that plan, act, and complete workflows without human help.

WHEN TO USE IT:
• To automate research, scheduling, content creation, or customer engagement.

Tools:
• CrewAI • OpenAI
• LangChain • Agents
• ChatGPT • AutoGen



Agentic AI

WHAT IT IS:
• AI that can reason, adapt, and self-correct across changing scenarios.

WHEN TO USE IT:
• For complex multi-step tasks like analysis, strategy planning, or testing.

Tools:
• OpenAI o1 • ReAct
• Claude 3.5 • DSPY



RAG (Retrieval-Augmented Generation)

WHAT IT IS:
• Enhances AI with live or private knowledge from external data sources.

WHEN TO USE IT:
• For customer support, internal knowledge bases, or real-time analytics.

Tools:
• Pinecone • LlamaIndex
• Weaviate • Elasticsearch
• Haystack



Workflow Automation

WHAT IT IS:
• Connecting multiple apps so repetitive tasks run automatically.

WHEN TO USE IT:
• For data syncing, onboarding, email follow-ups, or reporting.

Tools:
• Make • Bardeen
• Zapier • Pipedream
• n8n



Prompt Engineering

WHAT IT IS:
• The art of designing structured prompts to guide AI effectively.



WHEN TO USE IT:
• Whenever you need precision, creativity, or technical accuracy in outputs.

Tools:
• ChatGPT • Perplexity
• Claude • PromptPerfect
• Gemini

LLM Management

WHAT IT IS:
• Monitoring model performance, cost, and reliability across your AI stack.



WHEN TO USE IT:
• When deploying multiple models or optimizing AI operations.

Tools:
• Weights & Biases • Trulens
• Arize AI • Promptlayer
• Helicone

AI Content Generation

WHAT IT IS:
• Creating large-scale written, visual, and audio content using AI.



WHEN TO USE IT:
• To produce blogs, short videos, ads, or podcasts rapidly.

Tools:
• Descript • Synthesia
• OpusClip • HeyGen
• ElevenLabs

AEO / GEO (AI Search Optimization)

WHAT IT IS:
• Optimizing content for AI-driven search engines and chatbots.



WHEN TO USE IT:
• When you want your business to appear in ChatGPT or Perplexity results.

Tools:
• Searchable • NeuronWriter
• Outranking • Screaming Frog

AI Integrations & APIs

WHAT IT IS:
• Connecting AI models and tools through APIs to enhance workflows.



WHEN TO USE IT:
• For developing one or many end-to-end AI-powered apps.

Tools:
• OpenAI API • LangSmith
• Anthropic API • Supabase
• HuggingFace

Autonomous Workflows

WHAT IT IS:
• Fully self-running workflows managed by AI agents and triggers.



WHEN TO USE IT:
• For handling business operations or content pipelines with zero supervision.

Tools:
• CrewAI • Taskade AI
• LangGraph • ChatDev
• AutoGPT

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12 AI SKILLS TO LEARN IN 2026

By Andrew Bolis | Visit FreeGuides.cc

1. Prompt Engineering

Learn to write clear, task-specific prompts that help AI models like ChatGPT, Claude, and Gemini produce accurate and useful results.



2. AI Workflow Automation

Use tools like Zapier, Make, and n8n to connect apps and set up time-saving automation; no coding is needed.



3. AI Agents

Build multi-agent systems using platforms like LangGraph, AutoGen, and CrewAI to complete tasks that require reasoning, coordination, and memory.



5. Multimodal AI

Use advanced models like ChatGPT, Claude, Gemini, and Grok that can understand text, images, code, and audio in a single chat.



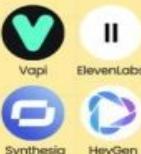
4. Retrieval-Augmented Generation (RAG)

Connect AI models to your own data using different frameworks to generate more accurate, source-backed answers.



7. Voice AI and Avatars

Generate realistic voiceovers and talking avatars for videos or training using tools like ElevenLabs, HeyGen, and Synthesia.



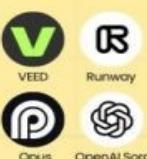
6. Fine-Tuning and AI Assistants

Create domain-specific AI assistants or fine-tune models using platforms like OpenAI GPT Builder, Hugging Face, and Cohere.



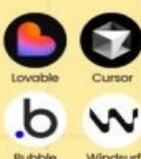
9. AI Video Content Generation

Turn text or scripts into videos using tools like Runway, VEED, and Opus. Add voice, edit scenes, and create content faster.



10. SaaS Development

Use no-code builders like Bubble, Cursor, and Lovable to build lightweight SaaS apps with AI features and real user workflows.



11. LLM Management

Track accuracy, latency, and cost using platforms like PromptLayer, Helicone, and TruLens to improve how your AI performs.



12. Staying Updated

Follow top tech sites like TechCrunch, The Verge, and MIT Tech Review to stay on top of news, product updates, and breakthroughs.



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55+ AI TOOLS FOR ENTREPRENEURS

BRAINSTORMING



LEARNING



PRESENTATIONS



ANALYSIS



EMAIL MANAGEMENT



MEETINGS



RESEARCH



DIGITAL WORKSPACE PRODUCTIVITY MANAGEMENT

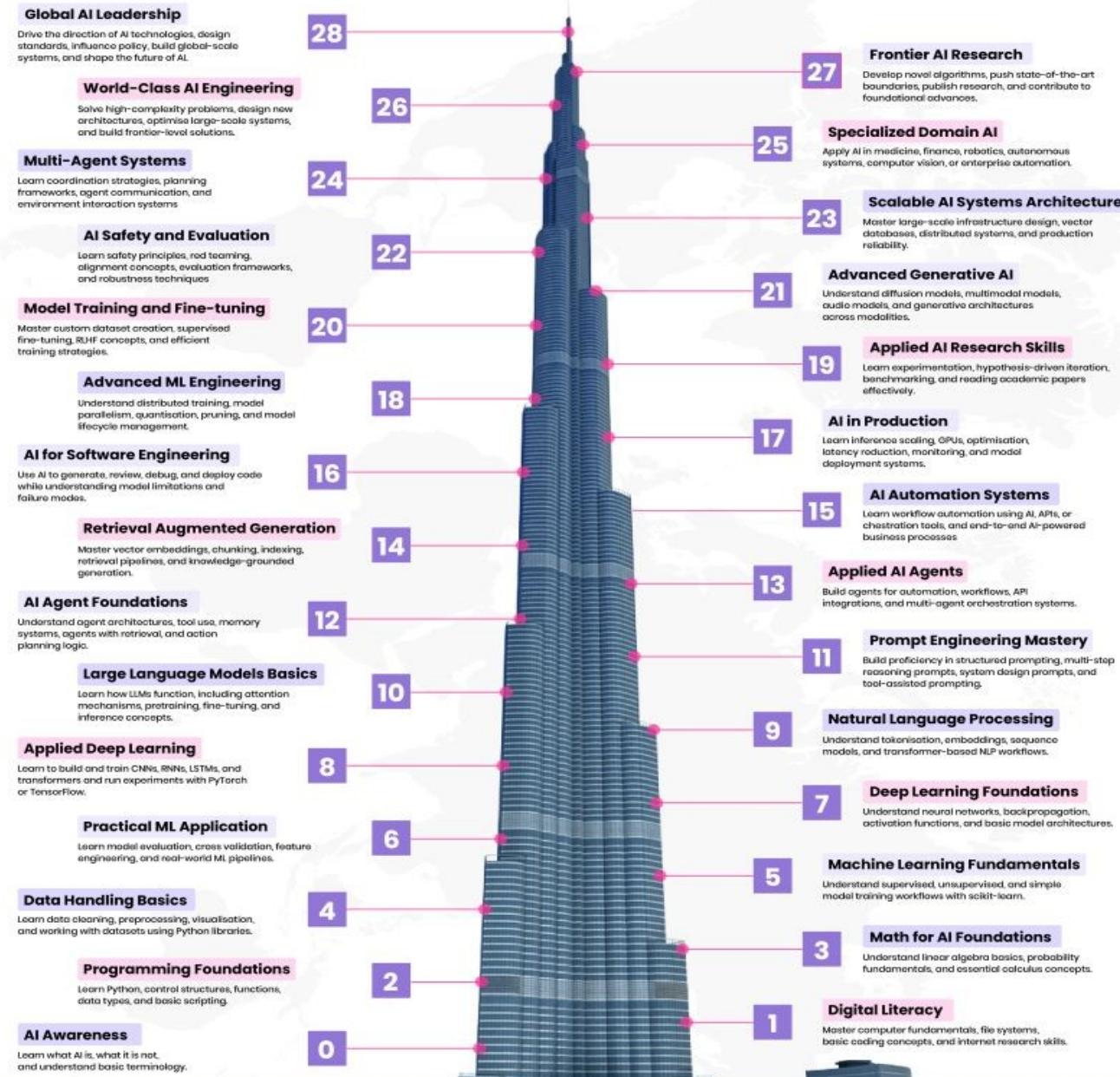


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28 Levels Of AI Mastery

Complete Path From Zero to World Class in AI

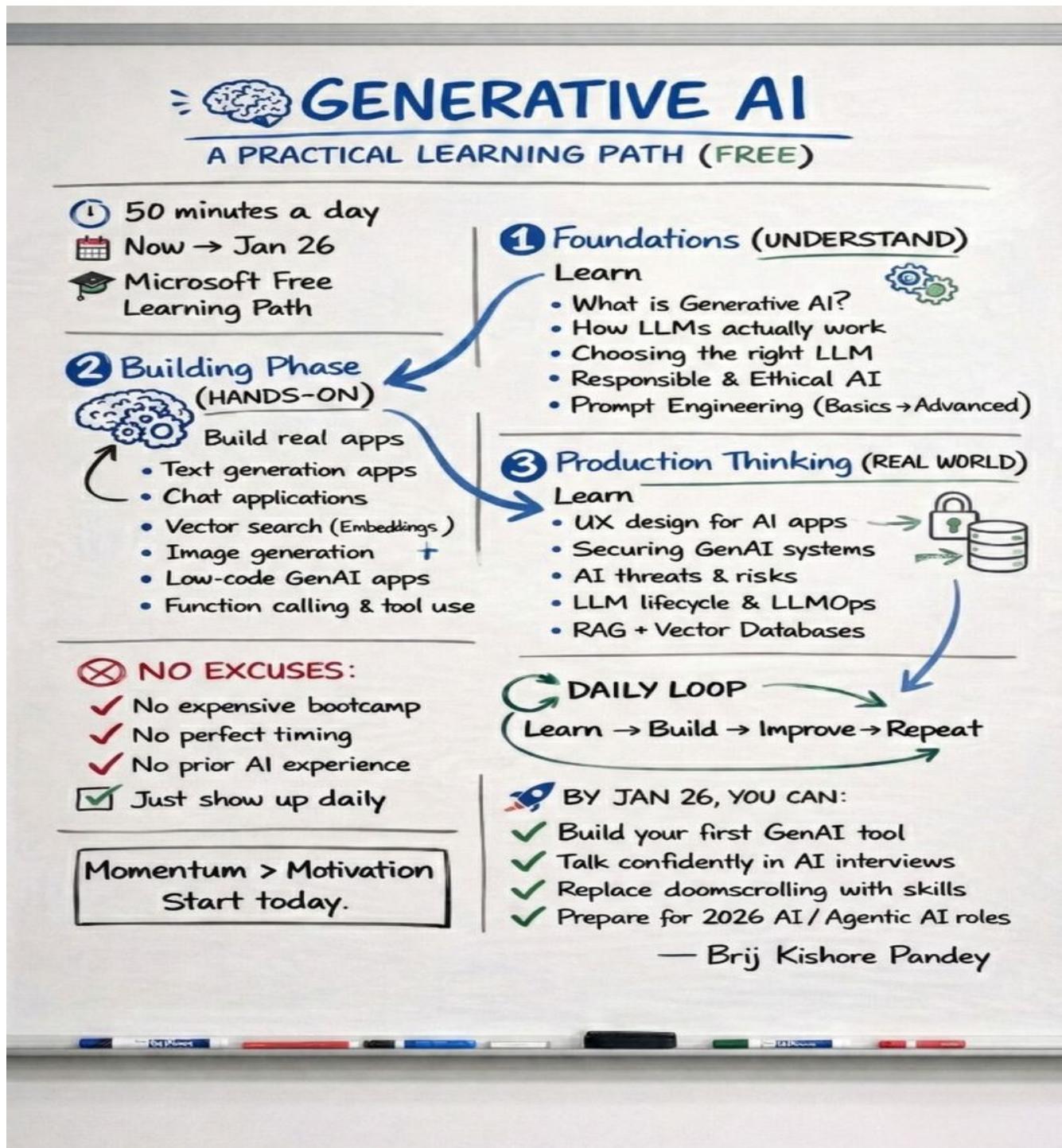


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135+ AI TOOLS THAT YOU CAN LEVEL UP WITH, BEFORE IT'S TOO LATE					
WEBSITE	VIDEO	RESEARCH	IMAGE	COPYWRITING	MEETING
10Web	Klap	Claude	Leap AI	RYTR	TLDV
Durable	Opus	ChatGPT	GenCraft	Copy AI	Otter
Divi AI	Eightify	Perplexity	Segmind	Writesonic	Notify AI
Hostinger	Invideo	Bing Chat	MidJourney	SurferSEO	Fireflies
Framer	Heygen	Clearscope	Clarif AI	Wordtune	Airgram
Wix ADI	Runway	Marketmuse	Zapier	Crayon	Fathom
SEO	DESIGN	PROMPTS	CHATBOT	AUTOMATION	PRESENTATION
Vidiq	Flair AI	FlowGPT	Droxy	Xembly	Decktopus
Seona AI	Designify	Alicant AI	Chatbase	Bardeen	Slides AI
BlogSEO	Clipdrop	Promptbox	Chatsimple	UIPath	Gamma AI
Serpstat	Autodraw	AI Dungeon	Dialogflow	Blue Prism	Designs AI
Wordlift	Crello	Promptly	Chatbot	Marketo	BeautifulAI
Alli AI	Snappa	Artbreeder	Chatfuel	Drip	Lumens
LOGO	MARKETING	AUDIO	SMMA	STARTUP	PRODUCTIVITY
Looka	Trypencil	Lovo AI	Hootsuite	Tome	Merlin
LogoAI	Adcreative	Eleven Labs	Buffer	Webengage	Tinywow
Brandmark	AdCopy	Descript	Agorapulse	NameLix	Notion AI
Stockimg AI	Simplified	Lyrebird	SocialBee	Pitchgrade	Personal AI
Namecheap	Sendbird	Auphonic	Loomly	Validator AI	Asana
Logaster	Mailchimp	Sonic AI	Zoho Social	Airtable	Scalenut

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27 Most Powerful AI Tools

Writing



SurgeGraph



Sudowrite



HoppyCopy

Coding



v0



Cursor



Bolt

Agents



Manus



n8n



Zapier

Image



Ideogram



ChatGPT



Midjourney

Video



Runway



Veo



Hailuo

Speech/Audio



Suno



ElevenLabs



Speechify

SEO



SurgeGraph



Google Search Console



AnswerSocrates

Research



Perplexity



NotebookLM



Deep Research

Chatbots



ChatGPT



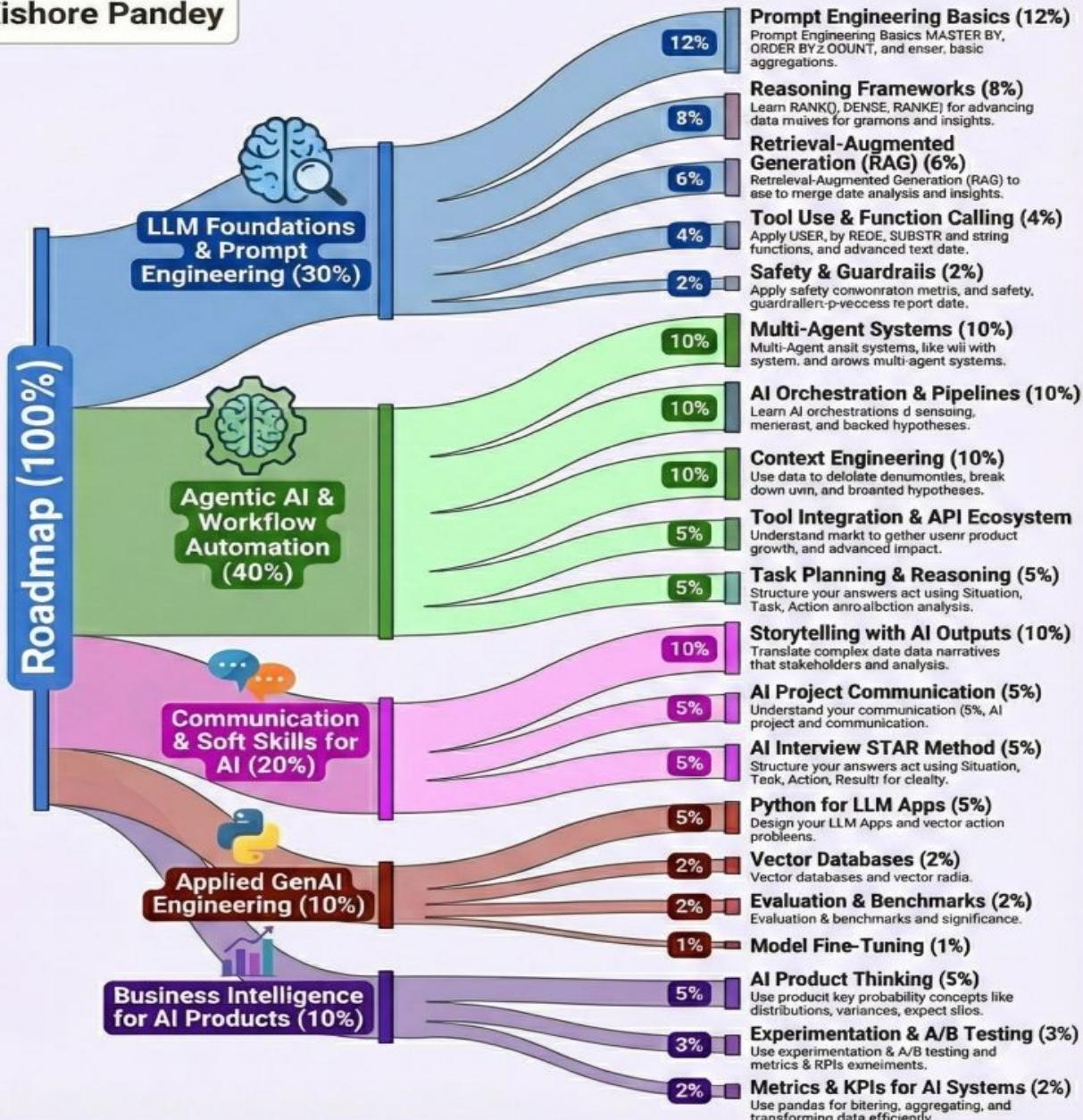
Grok



Gemini

Generative AI Skillset

Brij Kishore Pandey



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PAID

ChatGPT



Midjourney



HitPaw



PowerPoint



Runway



Grammarly



Canva



Zapier



Research

Images

Watermark Remover

Presentation

Video Generator

Writing

Design

Automation

FREE



DeepSeek



Ideogram



LightPDF



Google Slides



Pika Labs



ProWritingAid



Microsoft Designer



Bardeen

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WHICH LLM TO CHOOSE?

Tool	What it does	Typical prompt	Best LLM
Search (Web Browsing)	Finds real-time info with sources.	"Find latest UK inflation figures."	 Perplexity
Deep Research	Multi-step synthesis with citations.	"Analyse top trends in B2B SaaS marketing for 2025."	 Gemini 2.5
Vision – Image Input & Generation	Upload and analyse or generate images.	"Analyse this chart for trends."	 ChatGPT-5
Vision – Video Input & Generation	Upload, analyse, or generate video content.	"Summarise key scenes in this marketing video."	 Gemini 2.5
Camera Mode	Guides you live via device camera.	"Help me fix this Excel formula."	 Google AI Studio
Voice Mode	Hands-free voice conversation.	"Summarise the news while I drive."	 ChatGPT-5
File Uploads	Summarises, answers questions on docs.	"Summarise this 80-page strategy deck."	 Claude Opus 4.1
Data Analysis (Code Interpreter)	Cleans, analyses, and visualises data.	"Plot sales from this CSV."	 Claude Opus 4.1
Canvas (Collaborative Workspace)	Live co-writing or coding.	"Create a landing page mock-up."	 Claude Opus 4.1
Memory (opt-in)	Remembers facts you set.	"Remember my preferred writing style."	 ChatGPT-5
Custom Instructions	Sets tone and style for all chats.	"Always use concise bullet points."	 ChatGPT-5
Projects	Groups related chats & files.	"Organise all Bootcamp launch materials."	 Claude Opus 4.1
Scheduled Tasks (Automations)	Sends reminders or runs actions.	"Remind me every Monday at 8am."	 Perplexity
Custom GPTs	Builds niche AI assistants.	"Create a GPT that writes sales emails."	 ChatGPT-5
Agent Mode	Executes tasks from research to booking.	"Plan my Tokyo trip with itinerary."	 Perplexity
Connectors	Links your LLM to external apps.	"Connect to my CRM and summarise latest sales pipeline."	 Claude Opus 4.1
Study and Learn Mode	Guides you through lessons, quizzes, and deep understanding of topics.	"Teach me intermediate Python with exercises and feedback."	 Gemini 2.5

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AI Content Marketer for more helpful content



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PROMPTING CHEAT SHEET FOR CHATGPT, PERPLEXITY, GROK & GEMINI

ChatGPT (by OpenAI)

Prompt Like an Instructor

Goal: Show how to improve email campaigns

Step-by-Step Prompting:



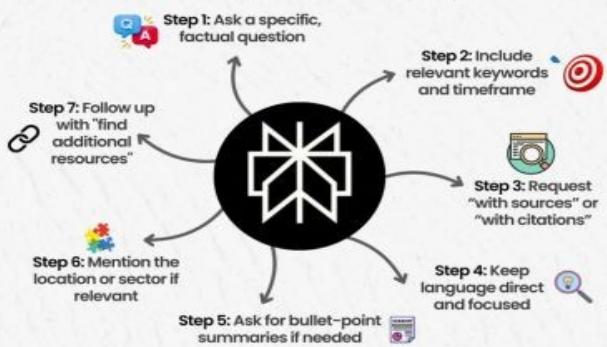
Best for: Role-based tasks, how-to guides, story-based content

Perplexity AI

Prompt Like a Research Analyst

Goal: Get current data on email marketing trends

Step-by-Step Prompting:



Best for: Competitive analysis, research, source-backed answers

Grok (by xAI)

Prompt Like a Candid Friend

Goal: Figure out why most email campaigns fail

Step-by-Step Prompting:



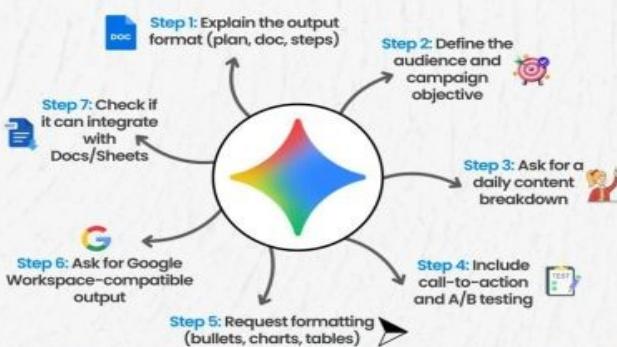
Best for: Sharp takes, informal views, punchy summaries

Gemini (by Google)

Prompt Like a Project Planner

Goal: Create a complete 7-day email sequence

Step-by-Step Prompting:



Best for: Organized outputs, project planning, workspace-compatible files



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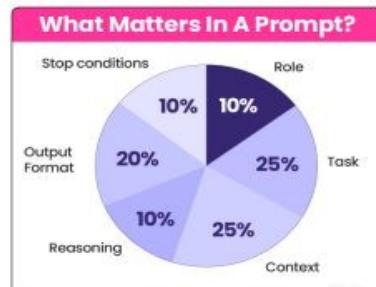
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Ultimate Google Gemini 3 Guide



RTCROS Prompt Framework Explained	
Role	Define who the AI should act as (e.g., expert, teacher, coach).
Task	Specify the exact job or output you want the AI to complete.
Context	Give details, boundaries, and exclusions to guide the AI properly.
Reasoning	Ensure logical steps, accuracy, and validation checks.
Output Format	Tell ChatGPT the exact structure in which to return results.
Stop Conditions	Clarify when ChatGPT should consider the task finished.

Prompt Template	
Act as [Role] to [Task].	
▪ Begin with a checklist of 3-7 steps to plan how you'll complete the task.	
▪ Ensure the content is accurate, unique, and excludes [things to avoid].	
▪ Prioritize clarity and practical value when presenting results.	
▪ Internally validate & cross-check information before finalizing.	
▪ Return the results in this format: [desired output format].	
▪ The task is complete when [stop condition].	

What's new in Google Gemini 3?	
	Google's most intelligent model, excelling in reasoning, multimodal tasks, and agentic workflows.
	Understands and processes text, images, audio, video, and code in a unified way for richer, context-aware interactions.
	Features advanced "Deep Think" mode for solving complex, multi-step problems with higher accuracy.
	Demonstrates improved tool use, autonomous coding, and seamless orchestration of multi-step tasks.
	Offers a massive context window (up to 1 million tokens) and industry-leading multimodal benchmark performance.

Tools In Gemini	
	Use Google's nano banana pro model to create images from simple text prompts and reference images.
	Generate presentations, infographics, web pages, audio overviews, flashcards and more on any topic from a simple text prompt.
	Helps you learn complex topics in a better way.
	Generates an immersive, magazine-style view of information, complete with photos and interactive modules.

Gems In Gemini	
	These are custom specialist AI assistants that help with you in specific topics.
	<p>Gems You Can Try:</p> <ul style="list-style-type: none"> Career Guide: Get career growth assistance Chess champ: Play chess with AI Storybook: Create a customised picture book <p>You can also build your own Gems in Gemini from simple text prompts with AI.</p> <p>Build Web Apps: Build web apps with Gemini in Google AI Studio from simple text prompts and by using the available AI functionalities.</p>

Do's	
▪ Use concise and clear prompts for best results with Gemini 3.	

Don'ts	
▪ Avoid adding overcomplicated prompts.	

Example Prompt	
Act as a financial literacy coach & recommend 5 unique, beginner-friendly personal finance strategies for young professionals starting their first job.	
Begin with a checklist of 3-7 steps outlining how you'll generate the recommendations.	
Exclude generic advice like "save money" or "create a budget"- focus on lesser-known but practical strategies.	
Prioritize accuracy by referencing established financial practices and widely accepted resources.	
Ensure each strategy includes a short explanation of why it matters and how to implement it.	
Return as a properly formatted numbered list with [Strategy Why it matters How to implement].	
Present 5 strategies, excluding generic ones, validated for accuracy, & written in clear, actionable language.	

Models You Can Use	
	Get answers fast
	Get answers with more reasoning

Pros	
▪ State-of-the-art reasoning, beating Gemini 2.5 Pro on all major benchmarks.	
▪ Much stronger coding performance, with about 35% higher accuracy on real software tasks.	
▪ Advanced multimodal understanding across text, images, and video.	
▪ Supports very long contexts (up to around 1M tokens) for large data.	

Cons	
▪ Still hallucinates and needs fact-checking, with no major reduction in hallucination rate vs 2.5.	
▪ Long-context reliability degrades beyond roughly 120-150k tokens, causing "summary drift."	
▪ Structured outputs can be inconsistent under stress, hurting strict JSON or schema use cases.	
▪ Vision and layout reasoning can struggle on dense dashboards or complex PDFs.	
▪ Safety filters can be oversensitive, especially on finance or medical-style prompts.	

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