

Roadmap to Become An AI Generalist

This document contains 250 curated research papers, articles, and readable documents across 5 learning levels to help you master Generative AI Applications.

LEVEL 1: Advanced Prompting, LLMs & Fine-Tuning

Master advanced prompting techniques, experiment with multiple AI models, run open-source LLMs locally, and fine-tune parameters using OpenAI Playground.

1. A Systematic Survey of Prompt Engineering in Large Language Models - <https://arxiv.org/abs/2402.07927>
2. Prompt Engineering Techniques Taxonomy - <https://arxiv.org/abs/2406.06608>
3. Prompt Engineering with ChatGPT: A Guide for Academic Writers - <https://pubmed.ncbi.nlm.nih.gov/38155619/>
4. Chain-of-Thought Prompting Elicits Reasoning in LLMs - <https://arxiv.org/abs/2201.11903>
5. Few-Shot Learning with LLMs - <https://neptune.ai/blog/zero-shot-and-few-shot-learning-with-llms>
6. Language Models are Few-Shot Learners (GPT-3 Paper) - <https://arxiv.org/abs/2005.14165>
7. Attention Is All You Need (Transformer Paper) - <https://arxiv.org/abs/1706.03762>
8. Attention Is All You Need (NeurIPS) - <https://papers.neurips.cc/paper/7181-attention-is-all-you-need>
9. How Transformers Work: Architecture Guide - <https://www.datacamp.com/tutorial/how-transformers-work>
10. LoRA: Low-Rank Adaptation of Large Language Models - <https://arxiv.org/abs/2106.09685>
11. Instruction Tuning for Large Language Models: A Survey - <https://arxiv.org/abs/2308.10792>
12. The Ultimate Guide to Fine-Tuning LLMs - <https://arxiv.org/abs/1906.08237>
13. Fine-Tuning Large Language Models for Specialized Use - <https://www.sciencedirect.com/science/article/pii/S2772662224000067>

14. Parameter-Efficient Fine-Tuning with LoRA -
https://keras.io/examples/nlm/parameter_efficient_finetuning_of_gpt2_with_lora/
15. Efficient Fine-Tuning with LoRA for LLMs -
<https://www.databricks.com/blog/efficient-fine-tuning-lora-guide-llms>
16. Fine-tuning Large Language Models for Domain Adaptation -
<https://www.nature.com/articles/s41598-024-70747-w>
17. Retrieval-Augmented Generation (RAG) Overview -
<https://aws.amazon.com/what-is/retrieval-augmented-generation/>
18. What is RAG? - Google Cloud -
<https://cloud.google.com/use-cases/retrieval-augmented-generation>
19. Retrieval Augmented Generation in Azure AI Search -
<https://learn.microsoft.com/en-us/azure/search/retrieval-augmented-generation-overview>
20. What is RAG? - IBM - <https://www.ibm.com/topics/retrieval-augmented-generation>
21. A Survey on In-context Learning - <https://arxiv.org/abs/2301.00234>
22. How In-Context Learning Improves Large Language Models -
<https://research.ibm.com/blog/in-context-learning>
23. Model Compression via Distillation and Quantization - <https://arxiv.org/abs/1802.05668>
24. Model Compression Techniques Survey -
<https://unify.ai/model-compression-survey-techniques-tools-libraries>
25. Running LLMs Locally with llama.cpp Guide -
<https://steelph0enix.github.io/posts/llama-cpp-guide/>
26. llama.cpp GitHub Repository - <https://github.com/ggerganov/llama.cpp>
27. Run LLMs Locally: 7 Simple Methods - <https://www.datacamp.com/tutorial/run-llms-locally>
28. Subword Tokenization Algorithms - <https://scaler.com/topics/nlp/subword-tokenization/>
29. Byte-Pair Encoding: Subword-based Tokenization -
<https://towardsdatascience.com/byte-pair-encoding-subword-based-tokenization-algorithm-77828a70bee0>

30. A Comparative Analysis of Subword Tokenization Methods - <https://arxiv.org/abs/2406.16314>
31. OpenAI API Documentation - Temperature Parameters - <https://platform.openai.com/docs/api-reference/chat>
32. Understanding OpenAI's Temperature Parameter - <https://coltsteele.com/tips/understanding-openai-temperature-parameter>
33. Top LLM Benchmarks: MMLU, HellaSwag, BBH - <https://www.confident-ai.com/blog/llm-benchmarks-mmlu-hellaswag-bbh>
34. 30 LLM Evaluation Benchmarks and How They Work - <https://www.evidentlyai.com/ranking-llm/llm-benchmarks>
35. What Are LLM Benchmarks? - IBM - <https://www.ibm.com/topics/llm-benchmarks>
36. GPT Decoder-Only Architecture Explained - <https://cameronwolfe.substack.com/p/decoder-only-transformers>
37. Why GPT is Decoder-Only - OpenAI Community - <https://community.openai.com/t/is-gpt-group-of-models-decoder-only-model/276893>
38. BERT Architecture and Masked Language Modeling - [https://en.wikipedia.org/wiki/BERT_\(language_model\)](https://en.wikipedia.org/wiki/BERT_(language_model))
39. What are Masked Language Models? - TechTarget - <https://www.techtarget.com/searchenterpriseai/definition/masked-language-model-MLM>
40. Masked Language Models Explained - IBM - <https://www.ibm.com/topics/masked-language-models>
41. Sentence Transformers Documentation - <https://www.sbert.net/>
42. Sentence Transformers - Hugging Face - <https://huggingface.co/sentence-transformers>
43. Generate Embeddings with Sentence Transformers - https://ai.google.dev/gemma/docs/sentence_transformers
44. How Vector Similarity Search Works - <https://www.labelbox.com/guides/vector-similarity-search/>
45. Vector Database Wikipedia - https://en.wikipedia.org/wiki/Vector_database

46. What is Similarity Search? - Pinecone - <https://www.pinecone.io/learn/what-is-similarity-search/>
47. Securing LLM Systems Against Prompt Injection - NVIDIA - <https://developer.nvidia.com/blog/securing-llm-systems-against-prompt-injection/>
48. LLM01:2025 Prompt Injection - OWASP - <https://genai.owasp.org/llm-top-10-2025/llm01-prompt-injection/>
49. What Is a Prompt Injection Attack? - IBM - <https://www.ibm.com/topics/prompt-injection>
50. A Comprehensive Survey of Hallucination Mitigation Techniques - <https://arxiv.org/abs/2401.01313>
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LEVEL 2: MCP Connectors, System Prompts & Autonomous Voice Agents

Integrate connectors using MCP—both online and offline. Then, design system prompts to power fully autonomous voice agents.

1. Introducing the Model Context Protocol - Anthropic - <https://www.anthropic.com/news/model-context-protocol>
2. What is Model Context Protocol (MCP)? - Official Documentation - <https://modelcontextprotocol.io/introduction>
3. Model Context Protocol - Wikipedia - https://en.wikipedia.org/wiki/Model_Context_Protocol
4. What is Model Context Protocol (MCP)? - IBM - <https://www.ibm.com/topics/model-context-protocol>
5. Code Execution with MCP - Building Efficient AI Agents - <https://www.anthropic.com/research/code-execution-mcp>
6. Introduction to Model Context Protocol Course - Anthropic - <https://anthropic.skilljar.com/series/introduction-to-model-context-protocol>
7. Model Context Protocol GitHub Repository - <https://github.com/modelcontextprotocol>
8. Function Calling with LLMs - Prompting Guide - <https://www.promptingguide.ai/capabilities/function-calling>

9. Function Calling using LLMs - Martin Fowler -
<https://martinfowler.com/articles/function-calling-llm.html>
10. What is Function Calling with LLMs? - Hopsworks -
<https://www.hopsworks.ai/dictionary/function-calling-for-llms>
11. An Introduction to Function Calling and Tool Use - Apideck -
<https://www.apideck.com/blog/function-calling-tool-use>
12. Function Calling - Hugging Face -
https://huggingface.co/docs/tgi/messages_api#function-calling
13. Integrating Real-Time AI Chatbots & Voice - VideoSDK -
<https://www.videosdk.live/blog/conversational-ai-api>
14. Best Practices for Configuring an API in Conversational AI -
<https://support.sprinklr.com/hc/en-us/articles/11652743883548>
15. API Integrations in Conversation Builder - LivePerson -
<https://developers.liveperson.com/conversation-builder-integrations-api-integrations.html>
16. Choosing the Right Conversational AI API - D-ID -
<https://www.d-id.com/blog/choosing-the-right-conversational-ai-api/>
17. Speech and Voice Agents - AWS Prescriptive Guidance -
<https://docs.aws.amazon.com/prescriptive-guidance/latest/voice-agents-chatbots/speech-voice-agents.html>
18. Voice AI Agents Platform - ElevenLabs - <https://elevenlabs.io/voice-agents>
19. Everything You Need to Know About Voice AI Agents - Deepgram -
<https://deepgram.com/learn/voice-ai-agents-everything-you-need-to-know>
20. AI Voice Agents: Revolutionizing Human-Machine Interaction -
<https://akira.ai/blog/ai-voice-agents>
21. How Do Voice AI Agents Work? - Picovoice -
<https://picovoice.ai/blog/how-do-voice-ai-agents-work/>
22. Voice AI Agents for Customer Service Guide - Salesforce -
<https://www.salesforce.com/products/service-cloud/voice-ai-agents/>

23. The 7 Best AI Agent Orchestration Platforms for Voice AI -
<https://www.speechmatics.com/blog/ai-agent-orchestration-platforms>
24. Overview of Prompting Strategies - Google Cloud -
<https://cloud.google.com/vertex-ai/generative-ai/docs/learn/prompts/prompt-design-strategies>
25. Prompt Engineering Best Practices - Azure OpenAI -
<https://learn.microsoft.com/en-us/azure/ai-services/openai/concepts/prompt-engineering>
26. Best Practices for Prompt Engineering with OpenAI API -
<https://help.openai.com/en/articles/6654000-best-practices-for-prompt-engineering-with-the-openai-api>
27. 11 Prompt Engineering Best Practices - Mirascope -
<https://www.mirascope.com/post/prompt-engineering-best-practices>
28. Add Clear Syntax - Prompt Engineering - Azure -
<https://learn.microsoft.com/en-us/azure/ai-services/openai/concepts/advanced-prompt-engineering>
29. 8 Chatbot Flow Examples for Optimizing Conversations - Rasa -
<https://rasa.com/blog/chatbot-flow-examples/>
30. Conversation Design for Chatbots: The Ultimate Guide -
<https://landbot.io/blog/conversation-design-guide-chatbots>
31. Conversational AI Design in 2025 - Botpress -
<https://botpress.com/blog/conversational-ai-design>
32. Design and Control Conversation Flow - Microsoft Bot Service -
<https://learn.microsoft.com/en-us/azure/bot-service/bot-service-design-conversation-flow>
33. How to Design Chatbot Conversational Flow - Engati -
<https://www.engati.com/blog/how-to-design-a-chatbot-conversational-flow>
34. OpenAI Speech to Text API - <https://platform.openai.com/docs/guides/speech-to-text>
35. Whisper API - Affordable Transcription - <https://whisperapi.com/>
36. OpenAI Whisper GitHub Repository - <https://github.com/openai/whisper>
37. Introducing Whisper - OpenAI - <https://openai.com/index/whisper/>

38. OpenAI Whisper - Converting Speech to Text - GeeksforGeeks - <https://www.geeksforgeeks.org/openai-whisper-converting-speech-to-text/>
39. Whisper Large v3 - Hugging Face - <https://huggingface.co/openai/whisper-large-v3>
40. The Whisper Model from OpenAI - Azure AI - <https://learn.microsoft.com/en-us/azure/ai-services/speech-service/whisper-overview>
41. How to Optimize Latency for Voice Agents - <https://rnikhil.com/how-to-optimise-latency-for-voice-agents>
42. Why Low Latency Matters in AI Voice Agents - Voicespin - <https://voicespin.com/blog/why-low-latency-matters-in-ai-voice-agents/>
43. Optimizing Conversational AI for Real-Time Response - VideoSDK - <https://www.videosdk.live/blog/optimizing-conversational-ai-real-time-response>
44. How to Build the Lowest Latency Voice Agent in Vapi - AssemblyAI - <https://www.assemblyai.com/blog/how-to-build-the-lowest-latency-voice-agent-in-vapi/>
45. How to Optimize Latency While Building Voice AI Agents - <https://www.comparevoiceai.com/blog/how-to-optimize-latency-while-building-voice-ai-agents>
46. Multi-Turn Chat - PromptLayer - <https://docs.promptlayer.com/features/multi-turn-chat>
47. Multi-Turn Conversations with an Agent - Microsoft Learn - <https://learn.microsoft.com/en-us/semantic-kernel/agents/examples/multi-turn>
48. Conversation State - OpenAI API - <https://platform.openai.com/docs/guides/conversation-state>
49. Multi-Turn Conversations: Definition, Benefits & Examples - Vapi - <https://vapi.ai/blog/multi-turn-conversations>
50. Multi-Turn Conversation - Avahi - <https://avahi.ai/blog/multi-turn-conversation>
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LEVEL 3: Diffusion Models & Generative Media

Learn about Diffusion Models. Build your own AI Clone, Create Images & Videos, Ads, Branding Material, Movies.

1. Denoising Diffusion Probabilistic Models (DDPM) - arXiv - <https://arxiv.org/abs/2006.11239>
2. Denoising Diffusion Probabilistic Models - NeurIPS - <https://proceedings.neurips.cc/paper/2020/hash/4c5bcfec8584af0d967f1ab10179ca4b-Abstract.html>
3. High-Resolution Image Synthesis with Latent Diffusion Models - <https://arxiv.org/abs/2112.10752>
4. InDepth Guide to Denoising Diffusion Probabilistic Models - <https://learnopencv.com/denoising-diffusion-probabilistic-models/>
5. Denoising Diffusion Probabilistic Models - Hugging Face - <https://huggingface.co/docs/diffusers/api/pipelines/ddpm>
6. Top 6 Research Papers on Diffusion Models for Image Generation - <https://www.appliedaibook.com/research-papers-on-diffusion-models/>
7. Text-to-image Diffusion Models in Generative AI: A Survey - <https://arxiv.org/abs/2303.07909>
8. A Comprehensive Survey of Text Encoders for Text-to-Image Generation - <https://publications.eai.eu/index.php/phat/article/view/5538>
9. Text to Image Generation and Editing: A Survey - <https://arxiv.org/abs/2505.02527>
10. Exploring Text-to-Image Generation Models - ScienceDirect - <https://www.sciencedirect.com/science/article/pii/S266734522400143X>
11. Journal Survey on Text to Image Generation Models - <https://ijrpr.com/uploads/V5ISSUE6/IJRPR28586.pdf>
12. A Collection of Text-to-Image Generation Studies - GitHub - <https://github.com/AlonzoLeeeooo/awesome-text-to-image-studies>
13. Sora: Creating Video from Text - OpenAI - <https://openai.com/sora/>
14. Sora AI Video Generator - <https://sora.com/>
15. Sora vs Runway 2025: Best AI Video Generator Comparison - <https://truefan.ai/blogs/sora-vs-runway-ai-video-generator-comparison>
16. Introducing Runway Gen-4 - <https://runwayml.com/blog/introducing-runway-gen-4/>
17. Gen-2: Generate Novel Videos - Runway - <https://runwayml.com/research/gen-2>

18. How to Run Stable Diffusion: Step-by-Step Guide - DataCamp - <https://www.datacamp.com/tutorial/how-to-run-stable-diffusion>
19. The Stable Diffusion Guide - Hugging Face - https://huggingface.co/docs/diffusers/stable_diffusion
20. How to Use Stable Diffusion - Complete Guide - <https://stable-diffusion-art.com/how-to-use-stable-diffusion/>
21. Stable Diffusion Tutorial - TutorialsPoint - https://www.tutorialspoint.com/stable_diffusion/index.htm
22. Stable Diffusion GitHub Repository - <https://github.com/CompVis/stable-diffusion>
23. Stable Diffusion Documentation - Vast.ai - <https://docs.vast.ai/guides/stable-diffusion>
24. Getting Started with Stable Diffusion Beginner's Guide - <https://www.mindfiretechnology.com/blog/stable-diffusion-beginners-guide/>
25. Midjourney vs DALL-E 2025 Comparison - <https://learn.g2.com/midjourney-vs-dall-e>
26. DALL-E 3 vs Midjourney Side-by-Side Comparison - <https://writesonic.com/blog/dall-e-3-vs-midjourney>
27. Midjourney vs ChatGPT DALL-E: Which is Better? - Zapier - <https://zapier.com/blog/midjourney-vs-chatgpt/>
28. Midjourney vs DALL-E: AI Art Tools Face-Off - eWeek - <https://www.eweek.com/artificial-intelligence/midjourney-vs-dall-e/>
29. Adding Conditional Control to Text-to-Image Diffusion Models - arXiv - <https://arxiv.org/abs/2302.05543>
30. ControlNet GitHub Repository - <https://github.com/lllyasviel/ControlNet>
31. Text-to-Image Generation with ControlNet Conditioning - Hugging Face - <https://huggingface.co/docs/diffusers/using-diffusers/controlnet>
32. ControlNet Documentation - OpenVINO - <https://docs.openvino.ai/latest/notebooks/controlnet-stable-diffusion-with-output.html>
33. AI Video Editing Tools - InVideo - <https://invideo.io/ai-video-editor/>

34. AI Video Editor - Create & Edit Videos - Canva - <https://www.canva.com/ai-video-editor/>
35. Captions by Mirage - AI Video Generator & Editor - <https://www.mirage.app/>
36. What's The Best AI Video Editor? - <https://massive.io/file-transfer/ai-video-editor-comparison/>
37. AI Video Editor - Free, Fast, Online - Kapwing - <https://www.kapwing.com/ai-video-editor>
38. Opus Pro - AI Video Editor - <https://www.opus.pro/>
39. Gling - AI Video Editing Software for YouTube - <https://www.gling.ai/>
40. AI Video Editing Features - Clipchamp - <https://clipchamp.com/en/video-editor/ai-video-editor/>
41. What is Deepfake? - Wikipedia - <https://en.wikipedia.org/wiki/Deepfake>
42. What are Deepfakes? Types and Detection Methods - <https://dojah.io/deepfakes-types-and-detection-methods/>
43. What Is Deepfake: AI Endangering Cybersecurity - Fortinet - <https://www.fortinet.com/resources/cyberglossary/deepfake>
44. Deepfakes: Definition, Types & Key Examples - SentinelOne - <https://www.sentinelone.com/cybersecurity-101/deepfakes/>
45. Top 10 Examples of Deepfake Technology - HyperVerge - <https://hyperverge.co/blog/deepfake-examples/>
46. Inpainting and Outpainting with Stable Diffusion - <https://machinelearningmastery.com/inpainting-and-outpainting-with-stable-diffusion/>
47. A Practical Guide to Image Outpainting - Towards AI - <https://pub.towardsai.net/a-practical-guide-to-image-outpainting-with-stable-diffusion-part-1-e7d6e5d7a769>
48. What is Inpainting and Outpainting? - Segmind Blog - <https://blog.segmind.com/what-is-inpainting-and-outpainting-with-stable-diffusion/>
49. What is Inpainting and How Does it Work? - Adobe - <https://www.adobe.com/products/photoshop/discover/inpainting.html>

50. Inpainting, Outpainting and Bounding Box - Invoke.ai - <https://support.invoke.ai/support/solutions/articles/151000105880>

LEVEL 4: Complex Automations & Agentic Workflows

Build complex automations & agentic workflows for process optimization. Get hands-on with AI Agents.

1. AutoGPT vs LangChain: Comprehensive Comparison - <https://smythos.com/ai-agents/autogpt-vs-langchain/>
2. The Rise of Autonomous AI Agents - Building Intelligent Systems - <https://www.incentius.com/resources/the-rise-of-autonomous-ai-agents>
3. 13 Top AI Agent Builders in 2025 - AutoGPT - <https://www.autogpt.net/ai-agent-builders>
4. AutoGPT LangChain Documentation - <https://python.langchain.com/docs/integrations/toolkits/autogpt/>
5. The Rise of AI Multi-Agent Systems - LinkedIn - <https://www.linkedin.com/pulse/rise-ai-multi-agent-systems-how-langchain-auto-gpt-babyagi-lksrf/>
6. AgentGPT - AI Agents with Langchain & OpenAI - <https://agentgpt.reworkd.ai/>
7. Agentic Workflows: Everything You Need to Know - <https://www.automationanywhere.com/company/blog/agentic-workflows>
8. Multi-Agent Systems - Alan Turing Institute - <https://www.turing.ac.uk/research/interest-groups/multi-agent-systems>
9. Top 10+ Agentic Orchestration Frameworks & Tools - <https://research.aimultiple.com/agentic-orchestration-tools/>
10. How We Built Our Multi-Agent Research System - Anthropic - <https://www.anthropic.com/research/building-effective-agents>
11. What is Multi-Agent System? - IBM - <https://www.ibm.com/topics/multi-agent-system>
12. What is AI Agent Orchestration? - IBM - <https://www.ibm.com/topics/ai-agent-orchestration>

13. What is Agentic Orchestration? - UiPath - <https://www.uipath.com/automation/agentic-orchestration>
14. Agentic Orchestration - Camunda Docs - <https://docs.camunda.io/docs/components/agentic-orchestration/>
15. Agentic AI Explained: Workflows vs Agents - Orkes - <https://orkes.io/content/blog/agentic-ai-workflows-vs-agents>
16. Multi-Agent System - Wikipedia - https://en.wikipedia.org/wiki/Multi-agent_system
17. Multi-agent Systems Research - arXiv - <https://arxiv.org/list/cs.MA/recent>
18. LangChain Documentation - <https://docs.langchain.com/>
19. LangChain Official Website - <https://www.langchain.com/>
20. LangChain: A Complete Guide & Tutorial - Nanonets - <https://www.nanonets.com/blog/langchain/>
21. LangChain Academy - Free Courses - <https://academy.langchain.com/>
22. Introduction to LangChain - GeeksforGeeks - <https://www.geeksforgeeks.org/introduction-to-langchain/>
23. How to Build LLM Applications with LangChain - DataCamp - <https://www.datacamp.com/tutorial/how-to-build-llm-applications-with-langchain>
24. LangChain Tutorials GitHub - <https://github.com/gkamradt/langchain-tutorials>
25. Developing a Multi-Agent System with CrewAI - Lablab.ai - <https://lablab.ai/t/crewai-tutorial>
26. CrewAI GitHub Repository - <https://github.com/joaomdmoura/crewAI>
27. CrewAI Official Website - <https://www.crewai.com/>
28. What is CrewAI? - IBM - <https://www.ibm.com/topics/crewai>
29. Multi AI Agent Systems with crewAI - DeepLearning.AI - <https://www.deeplearning.ai/short-courses/multi-ai-agent-systems-with-crewai/>
30. Best Workflow Automation Software - Technology Advice - <https://www.technologyadvice.com/workflow-automation/>

31. 6 Best Workflow Automation Tools of 2025 - Lobstr - <https://lobstr.io/blog/best-workflow-automation-tools>
32. 25 Best Workflow Automation Software for 2025 - <https://thedigitalprojectmanager.com/workflow-automation-software/>
33. 9 Best Workflow Automation Software - Atlassian - <https://www.atlassian.com/software/jira/guides/workflows/overview/automation-tools>
34. Best AI Workflow Automation Tools 2025 - Whalesync - <https://www.whalesync.com/blog/ai-workflow-automation>
35. Top 9 Workflow Automation Tools 2025 - Shakudo - <https://shakudo.io/blog/workflow-automation-tools>
36. Zapier AI Tutorial for Beginners - YouTube - <https://www.youtube.com/watch?v=zNTZBwXxDug>
37. Get Started with Zapier - Official Guide - <https://zapier.com/resources/guides/get-started-zapier>
38. Zapier Tutorials Articles - Zapier Blog - <https://zapier.com/blog/zapier-tutorials/>
39. Workflow Automation: Definition, Tutorial & Tools - <https://zapier.com/blog/workflow-automation/>
40. Zapier Examples: Ways to Use Automation - <https://zapier.com/blog/zapier-automation-examples/>
41. AI Workflow Automation Platform - n8n - <https://n8n.io/>
42. n8n Workflow Automation GitHub - <https://github.com/n8n-io/n8n>
43. A Beginner's Guide to Automation with n8n - FreeCodeCamp - <https://www.freecodecamp.org/news/a-beginners-guide-to-automation-with-n8n/>
44. What is n8n? Intro to Workflow Automation - Hostinger - <https://www.hostinger.com/tutorials/what-is-n8n>
45. No-Code Workflow Automation with n8n - Hatchworks - <https://hatchworks.com/blog/gen-ai/n8n-automation/>
46. What is Robotic Process Automation? - UiPath - <https://www.uipath.com/rpa/robotic-process-automation>

47. What Is RPA? - SAP -

<https://www.sap.com/products/financial-management/what-is-robotic-process-automation.html>

48. What is RPA? - IBM - <https://www.ibm.com/topics/rpa>

49. Robotic Process Automation - Wikipedia -

https://en.wikipedia.org/wiki/Robotic_process_automation

50. What is RPA Software? - Blue Prism -

<https://www.blueprism.com/resources/blog/what-is-rpa-software/>

LEVEL 5: Building Real-World AI Products (No-Code)

Build a real-world AI product without writing a single line of code!

1. Bubble vs AppSheet: No-Code Platform Comparison -

<https://bubble.io/blog/bubble-vs-appsheet/>

2. Google AppSheet - Build Apps with No Code - <https://www.appsheet.com/>

3. AppSheet: No-code App Development - Google Cloud - <https://cloud.google.com/appsheet>

4. Bubble vs Appsheet: 10 Factors Comparison -

<https://www.lowcode.agency/blog/bubble-vs-appsheet>

5. Bubble vs AppSheet: Best No-Code Tool Guide -

<https://www.bubbleiodeveloper.com/bubble-appsheet-comparison>

6. Why Bubble.io is the Right Choice for No Code -

<https://www.netsolutions.com/insights/bubble-io/>

7. Chatling: No-Code AI Chatbot for Websites - <https://chatling.ai/>

8. ChatBot Visual Builder - Build Without Coding -

<https://www.chatbot.com/features/visual-builder/>

9. The World's Easiest No-Code Bot Builder - WotNot - <https://wotnot.io/bot-builder/>

10. Odin AI Chatbot Builder - <https://www.getodin.ai/chatbot-builder>

11. The 6 Best Chatbot Builders in 2025 - Zapier - <https://zapier.com/blog/best-ai-chatbot-builder/>
12. Top No-Code ML Platforms: ChatGPT Alternatives - <https://research.aimultiple.com/no-code-machine-learning/>
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