

AI Mastermind: 2-Day Intensive to Build AI Apps, Stunning Visuals, and Automated Workflows

Course Overview

This fast-paced, hands-on 2-day mastermind (16+ hours) immerses you in the latest generative AI advancements as of December 2025. You'll master prompt engineering, diffusion models, custom agents, media generation, and no-code automations to build practical AI-driven apps and workflows. Perfect for creators, marketers, entrepreneurs, and professionals ready to leverage AI for real-world impact.

- **Target Audience:** Beginners to intermediate users eager to create visuals, automate tasks, and build custom AI tools—no coding required.
- **Prerequisites:** Basic computer skills; curiosity about AI.
- **Format:** Live sessions with demos, group discussions, Q&A, and workbook activities; recordings provided.
- **Outcomes:** Build custom GPTs/agents, generate professional images/videos/audio, automate workflows, and create a mini AI project portfolio. Certificate included.
- **Resources:** Shared workbook, prompt templates, tool access guides, and community forum. Bonus: Ethical AI guidelines and future trends session.

Day 1: Foundations, Diffusion Models, and Media Mastery

Session 1: Generative AI Fundamentals (Morning)

What Will You Learn?

1. Neural networks: Layers, activation, and training basics.
2. NLP to LLMs evolution: From BERT to GPT-5 and multimodal models.
3. Probability distributions in generation (e.g., sampling techniques).
4. Tokenization and its role in accurate outputs.
5. Thought generation: Chain-of-thought, reasoning loops in modern models.
6. Ethical tip: Understanding biases and responsible prompting.

Tools

- ChatGPT/GPT-5 preview
- Claude 3.5
- Grok by xAI (for comparative reasoning)

Estimated Time: 3 hours live + 1 hour workbook.

Workbook-Led Activity

1. **Experiment with prompting basics:**
 - Step 1: Use ChatGPT/Claude to test simple vs. advanced prompts (e.g., "Explain quantum computing simply" vs. chain-of-thought version).
 - Step 2: Document 5 variations and compare outputs.
 - Expected Outcome: Workbook page with insights on probability/token effects. Share in a group.
 - Tips: Focus on temperature/sampling for creativity vs. accuracy.

Session 2: Introduction to Diffusion Models

What Will You Learn?

1. Diffusion concept: Noise addition/removal process.
2. Math basics: Forward/reverse diffusion, scheduling.
3. Categories: DDPM, latent diffusion, flow-matching (e.g., FLUX.1).
4. Future trends: Multimodal diffusion, efficiency improvements.
5. Proprietary vs. open-source: Overview of GPT-Image-1, Imagen 4, FLUX.2.
6. Ethical tip: Copyright considerations in training data.

Tools

- Playground AI (for quick diffusion tests)
- Hugging Face Diffusers demo

Estimated Time: 2 hours live + 1 hour activity.

Workbook-Led Activity

1. **Compare diffusion outputs:**
 - Step 1: Generate the same prompt across tools (e.g., "A futuristic city at sunset").
 - Step 2: Note differences in style/realism.
 - Expected Outcome: Comparison table. Discuss future implications.

Session 3: Image and Video Manipulation (Afternoon)

What Will You Learn?

1. Master Midjourney V7 features: Parameters, styles, remixing.
2. Advanced text-to-image/image-to-image prompting.
3. Consistent characters/scenes with seeds/references.
4. Realistic builds with control nets/inpainting.
5. Runway ML updates: Text-to-video, motion brush.
6. Latest video tools: Kling AI, Veo 3 for cinematic motion.
7. Audio generation: Voice cloning, music with ElevenLabs/Suno.
8. Connecting for full media pipelines.
9. Progressive: Use diffusion from Session 2.
10. Ethical tip: Attribute AI content; avoid deepfakes.

Tools (Updated 2025)

1. Midjourney V7
2. Leonardo AI/FLUX.1 (alternatives for control)
3. Runway ML Gen-4
4. Kling AI/Veo 3 (top video)
5. ElevenLabs (audio)
6. Bonus: Ideogram 3.0 for text-in-images

Estimated Time: 3 hours live + 2 hours assignments.

Assignments

- 1. Master image generation:**
 - Step 1: Use Midjourney/Leonardo for 5 text-to-image prompts (e.g., consistent character series).
 - Step 2: Apply image-to-image and parameters (e.g., --stylize, --v7).
 - Step 3: Build realistic scenes with inpainting.
 - Expected Outcome: Portfolio of 10+ images. Share links.
- 2. Create video and audio clip:**
 - Step 1: Prompt Runway/Kling for 10-second video (e.g., "Dynamic city flythrough").

- Step 2: Add voiceover/music via ElevenLabs.
- Step 3: Combine in a simple editor.
- Expected Outcome: Short media file demo.

Day 2: Custom Agents, Automations, and Capstone

Session 4: Building Custom GPTs and Agentic Workflows

What Will You Learn?

1. Connect fundamentals to agents.
2. Build custom GPTs/agents with OpenAI AgentKit.
3. Create style-matching bots (e.g., your writing voice).
4. Fine-tuning and tool-calling.
5. Future: Multi-agent systems, GPT-5 agents.
6. Roadmap to AI generalist: Skills progression.
7. Ethical tip: Privacy in custom data.

Tools (2025 Updates)

- OpenAI AgentKit/Responses API
- Claude agents
- Bonus: LangChain for simple chains

Estimated Time: 3 hours live + 2 hours assignments.

Assignments

1. **Build your first custom agent:**
 - Step 1: Use AgentKit to create a GPT with knowledge/actions.
 - Step 2: Fine-tune for personal style (upload samples).
 - Step 3: Test multi-step tasks.
 - Expected Outcome: Shareable agent link + demo queries.

Session 5: AI Automations with No-Code

What Will You Learn?

1. Make.com advanced features.
2. Triggers, actions, and event-based flows.
3. Multi-app connections with AI.
4. ChatGPT/Claude API for conversational bots.
5. Build intelligent workflows.

6. Alternatives: n8n for complex, Zapier for simple.
7. Ethical tip: Error handling to avoid loops.

Tools

- Make.com
- Zapier/n8n
- OpenAI API

Estimated Time: 3 hours live + 2 hours assignments.

Assignments

1. Build your first AI workflow:

- Step 1: Set trigger (e.g., new email).
- Step 2: Integrate GPT for summarization/response.
- Step 3: Connect apps (e.g., Slack notification).
- Expected Outcome: Active workflow demo video.

Capstone Workbook-Led Activity & Wrap-Up

1. **Mini project:** Combine skills—e.g., agent generates prompt diffusion tool creates image/video → automation distributes.
 - Step 1: Ideate personal use case.
 - Step 2: Build and test end-to-end.
 - Expected Outcome: Final project demo; group presentations.

What You'll Walk Away With

- Mastery of prompt engineering and diffusion for stunning visuals.
- Custom agents that think/act like you.
- Automated workflows saving hours weekly.
- Portfolio of media/projects.
- Roadmap for ongoing AI growth.

This enhanced 2-day mastermind incorporates 2025 updates (e.g., FLUX/Kling/Veo, AgentKit) for cutting-edge relevance, adds detailed assignments, and ensures progressive building. Paste into Word for easy edits!