

Roadmap for Creating an AI-Assisted Animated Short Film

Phase 1: Story Ideation and Scriptwriting

Begin by defining the core story and ensuring it's achievable as a short (just a few minutes). You can develop the concept independently or brainstorm with an AI writing assistant like ChatGPT to refine ideas and even outline scenes ¹. Write a script or narrative breakdown that covers the beginning, middle, and end of the story. Keep it concise and focused due to the short runtime. Identify any dialogue or narration needed – since you plan to include some voice acting, decide where a voice-over or character lines will be used versus where on-screen text might convey details.

- **Outline the Story:** Draft a rough storyline or treatment. If stuck, use an AI tool (e.g. ChatGPT) to generate ideas, flesh out characters, or explore “what-if” scenarios ¹. This ensures you have a clear vision before moving forward.
- **Write the Script:** Turn the story idea into a script or storyboard text. Include key actions, dialogue lines, and scene descriptions. Because the final format may rely on voice-over narration, you might write it more like a **screenplay + narrator’s script**, noting which parts will be spoken aloud and which might be shown as text on screen.
- **Plan Scenes Visually:** As you write, start thinking in terms of scenes/shots. Break the story into a sequence of short scenes. For each scene, note the setting (e.g. location or background), the characters involved, and the main visual or action. This will guide the artwork creation later ². By the end of this phase, you should have a full script or scene list, which serves as the foundation for everything else.

Phase 2: Visual Style and Concept Design

Next, decide on the visual style for your animation. This includes character designs, environments, and overall tone (cartoonish, realistic, sketch-like, etc.). Choosing a style that is achievable with AI tools and one that matches your story’s mood is crucial for consistency. Modern AI image generators can help you **explore different art directions** quickly ³. For example, you might experiment with a watercolor illustration style versus a 3D-rendered look and see which feels right and is feasible to reproduce. Since you want to be involved and keep costs low, plan to generate concept art yourself using AI and only minimal traditional drawing (a graphics tablet can help if you do need to sketch something by hand).

- **Art Style Research:** Gather inspiration images or references for styles you like. Use free resources (Pinterest, ArtStation, etc.) and feed them to an AI image generator as references or prompts. You can also prompt text-to-image models with style keywords (e.g. “*in the style of a Studio Ghibli background*” or “*comic-book style character*”) to see what comes out ³. This helps determine a look that you can consistently achieve.
- **Character Concept Art:** Create initial concept images of your main characters using AI. For instance, describe the character in detail to a tool like Midjourney or Stable Diffusion and generate portraits or

full-body images. Iterate on prompts – include details like age, clothing, expression, lighting – to nail down their appearance ³ ⁴. Save the best images as they will be reference points for keeping the character’s design consistent.

- **Environment and Mood Boards:** Likewise, generate samples of key environments (e.g. an alien planet landscape at night, a futuristic city skyline, etc., depending on your story). Ensure the style matches the characters. If one model or tool gives better results for characters and another for backgrounds, that’s fine – you can blend styles later, but aim for a cohesive feel.
- **Consistency Planning:** One challenge with AI-generated art is maintaining **character consistency** across multiple images. Plan for this early. You might decide on a textual tag (a unique name for your character) to use in prompts, or consider training a custom model if needed. Techniques like DreamBooth or LoRA fine-tuning allow you to train the AI on your character’s images so it reproduces them reliably ⁵. For example, if your protagonist is a young girl with specific features, you could generate 5–10 images of her, then fine-tune a LoRA model to “learn” her look, enabling the AI to recreate her in new poses or scenes ⁶. This is an advanced step but can be done with minimal cost (just time and computing power, which your PCs can provide). With an AI assistant’s guidance, even a beginner can follow tutorials to do this if consistency becomes a big issue. Otherwise, plan to reuse certain images or carefully craft prompts to keep features steady.

Phase 3: Storyboarding and Scene Planning

With your script and style in mind, create a storyboard – a sequence of simple visuals that map out each scene or shot. This doesn’t have to be fancy; it’s a planning tool to make sure the narrative flows and to identify what art you need to create. Traditionally, one might sketch storyboards by hand, but you can leverage AI here to speed up the process and compensate for any lack of drawing skill ⁴ ⁷. The storyboard will serve as a blueprint for production.

- **Scene-by-Scene Breakdown:** List every scene or camera shot from start to finish. Include notes like “Scene 1: Wide shot of a dark forest with a small child looking at a sky full of stars” or “Close-up: child’s face showing wonder as a light reflects in her eyes.” This textual breakdown ensures you don’t miss any key visual moment.
- **Preliminary Storyboard Images:** Create rough images for each scene description. You have a few options here: you can sketch them yourself on paper or a tablet (stick figures and rough shapes are okay), or use AI to generate quick concept images for each scene. AI tools are great for this because you can input your scene description and get an image suggestion. For example, using Midjourney to visualize a scene can give you a fast, illustrative storyboard frame ⁴. Don’t worry if these early images aren’t perfect or consistent; their purpose is to communicate the idea. You might generate a set of images and pick the one that best matches what you envision for the scene.
- **Annotations and Adjustments:** Label each storyboard image with any notes (e.g. “pan left to right across this scene” or “character running in this shot”). If something in the AI-generated board image is off but the idea is there, note the correction rather than spending too long to fix it now. The storyboard is to confirm the sequence works and identify the assets you’ll need.
- **Review Story Flow:** Step back and go through the storyboard in order. Does the story make sense visually? Is there a clear beginning and end? This is the time to tweak the narrative if needed. Because you haven’t invested heavily in final art yet, feel free to add or remove shots on the storyboard. By planning thoroughly with a storyboard (made cheaply with AI assistance), you save time and money later by avoiding major revisions mid-production ⁸.

Phase 4: Asset Creation (Characters, Backgrounds, Props)

This phase is where you produce the actual images and visuals that will appear in the animation. Using the storyboard as a guide, you'll create each key scene or shot as a high-quality image. Modern generative AI tools will be your primary means of illustration – essentially serving as your automated illustrator without the traditional cost ⁸. You will generate artwork for characters, backgrounds, and any important props or effects needed. Since you're mostly doing this solo, take it step by step (possibly one scene at a time) and use your powerful PCs to handle the image generation tasks.

- **Finalizing Character Designs:** If your story has recurring characters, start by getting their look right. Using the concept images from Phase 2 (or any LoRA model you trained), generate the characters in the poses or situations they appear in for each scene. For example, if Scene 3 shows the father character holding a lantern, try an image prompt like “[FatherCharacter] standing at night holding a lantern, worried expression, art style...” etc. Tools like Stable Diffusion (with the Automatic1111 GUI) are great for iterative work: you can run many variations and even use *img2img* if you want to refine a pose or composition. Midjourney can also produce beautiful character art, though you might need to guide it with detailed prompts and it may be harder to get the exact same character every time without fine-tuning. If consistency issues arise, remember the option of fine-tuning or try using the **same prompt phrases** every time (e.g. always include “brown-eyed girl with scar on cheek” to anchor the AI) ⁹. Generating a surplus of images and *cherry-picking* the ones that best match previous images is a viable strategy as well ⁹.
- **Backgrounds and Environments:** Generate the backgrounds for your scenes separately if needed. Sometimes it works best to create a clean background plate (e.g. the forest, the night sky with shooting star, a spaceship interior, etc.) and then composite the character on top, rather than prompting the AI to do everything at once. This gives you more control. Use your AI tool to produce high-resolution backgrounds in the chosen style. You might fix these up in an image editor if the AI gives something almost right but not perfect – for instance, if an AI-generated forest has some strange artifacts, you can paint over those in Krita/GIMP. Aim for the images to be at least HD resolution (1920x1080) or larger, so they don't look blurry in the final video ¹⁰. Many AI tools allow specifying resolution or aspect ratio; since your final video will be 16:9, you can generate images in 16:9 ratio to avoid cropping ¹¹.
- **Prop and Detail Images:** If your story needs any other illustrated elements (say, a close-up of a special object, or a cutaway diagram, etc.), create those as needed. These might be minor, and you can often reuse existing images or generate quick extras. Keep style consistency in mind – use the same art model or settings as you did for main scenes so they don't clash.
- **Refining AI Outputs:** Expect to iterate on each image to get it right. Rarely will the first AI-generated image be perfect. You should **refine by adjusting prompts and regenerating** until you're satisfied ¹². For example, if the prompt “a boy standing in a dark hallway” gives you the right composition but the boy's face is distorted, you could try an in-painting technique: mask the face and re-run the AI to fix just that part, or simply try a new generation with a prompt emphasizing a clear face. Use negative prompts for things you don't want (many AI tools allow this). If an image is 90% there, you might do a bit of manual editing rather than spend another hour prompting – this is where having a drawing tablet could help, to paint small fixes. However, these fixes can often be done with a mouse as well using photo editing software. The key is to combine AI speed with human judgment: you guide the AI and touch up the results to match your vision. This hybrid approach still saves cost (no outsourced artist) while achieving custom results.

- **Layer Preparation (Optional):** Decide if any scenes would benefit from separating the artwork into layers. For instance, you might have a foreground character and a separate background so you can animate them independently (like a parallax effect). To do this, take the final images and cut out characters from their backgrounds. There are AI tools like Remove.bg or Photoshop's AI select that can help isolate characters. Save PNGs with transparent backgrounds for the characters if needed. Likewise, you could have a layer for effects (e.g. the glow of a magic object) that you might want to pulsate or move in the animation phase. Prepping these now will make the animation process more flexible. If full animation is too labor-intensive, you can skip this layering step and animate as-is, but having layers is useful if you want to add even slight motion (like a character drifting in front of a background). It's all about how much movement you plan to create.

Phase 5: Animation and Video Assembly

Now it's time to bring those static assets to life. Since you are aiming for a short animation and you're essentially a one-person studio (with AI helpers), you have some choices to make on how to animate.

Option A: a simple animatic or motion comic style, where you use mostly still images and apply only basic motions or transitions (this is the most straightforward and risk-free approach). **Option B:** incorporate AI-driven animation for certain shots, which might achieve more dynamic results but can be unpredictable and may require trial and error ¹³. You can also mix these approaches: for example, mostly static images but one or two key moments rendered as short AI-generated video clips. Here's how to proceed:

- **Set Up Video Editing Software:** Choose a video editing program you're comfortable with (or willing to learn). Free options include **DaVinci Resolve** (professional-grade, a bit of a learning curve), **Shotcut** or **OpenShot** (more basic), and others. With your hardware, DaVinci Resolve should run well, and there are plenty of tutorials for it. Start a new project and set the resolution (1920x1080) and frame rate (24 or 30 fps is typical for animation) for your sequence.
- **Import and Arrange Stills:** Bring all your final scene images into the editor in the order of your storyboard. Now, create the initial cut by laying each image on the timeline, one after the other, matching your story flow. At first, each will just be a static shot. Adjust the duration of each image clip to roughly match the pacing of the scene (e.g. a dramatic scene might hold longer on an image, an action scene might cut quicker). Don't worry, you will refine timing once voice and sound are in, but get a rough sense (perhaps 5–10 seconds per shot as a placeholder, depending on the narrative).
- **Apply Basic Animations to Stills:** To make the sequence more engaging, use **Ken Burns effects** (pan and zoom) on the still images. For example, slowly zoom in on a character to create a feeling of forward motion or pan across a wide landscape to simulate a camera movement. Every decent video editor can do this by setting keyframes for the image position/scale over time. Keep movements subtle and purposeful – too much can be distracting. Also use transitions between scenes: a cross-fade (dissolve) can indicate a passage of time or a gentle transition, whereas a cut can be more jarring or immediate. These simple techniques can already turn a series of static pictures into a storytelling sequence with emotional impact.
- **Integrate On-Screen Text (if any):** If your plan includes showing text (like narration subtitles, character dialogue, or storybook-like captions), create those text elements in the editor now. Most video editors allow adding text overlays with various fonts and styles. Since you want the text visuals to contribute to the story, design them thoughtfully – for instance, a handwritten-style font for a diary narration, or bold comic book speech bubbles for dialogue. Position the text on the screen where it's readable and not covering important parts of the artwork. Timing is key: sync the text appearance with the corresponding voice line or moment it's "said." You might fade the text in and

out or have it scroll if it's longer narration. This is a creative step where you ensure that any on-screen text enhances the visuals rather than feeling like an afterthought.

- **AI-Generated Motion Clips (Optional):** For certain scenes, you might attempt to use AI video generation to animate your images or create short clips. One accessible tool is **Runway ML's Gen-2** (accessible via a web browser). With Gen-2, you can either provide a description of the shot or upload one of your images as a starting frame, and the AI will generate a brief video clip (~4–6 seconds) with motion ¹⁴ ¹⁵. For example, you could take a still of the night sky and have Runway animate a shooting star streaking across it. Or give it a frame of your character and prompt “the child turns her head and smiles.” The results can be impressive but may require several attempts and parameter tweaks (Runway allows you to adjust motion intensity, camera movement, etc. in its interface) ¹⁵. It's essentially trial and error – an AI clip might come out perfect or a bit “off” (weird artifacts or off-model characters). Use your judgment on whether to include these. If an AI-generated video looks good, you can splice it into your edit in place of the still image. If not, fall back to the static image approach. (*Advanced note:* Another cutting-edge option is **Stable Diffusion with AnimateDiff**, an extension that can generate short looping videos from text prompts on your own PC ¹⁶. This could be used if you want to experiment with motion without relying on a paid service, but it's fairly technical to set up. AnimateDiff is great for generic motions – like making an image move subtly – but it won't exactly follow a complex action script ¹⁷. It's an option if you're feeling adventurous, and your Alienware PC's GPU could likely handle the load.))*
- **Review Animation Flow:** After implementing either the basic Ken Burns animations or inserting any AI-driven clips, watch the sequence. Ensure that the visual transitions feel smooth and the pace matches the story's mood. Without the audio, it might feel a bit rough or slow in places – that's okay. You will adjust timing once the voiceover and sound are in. For now, the goal is to have a preliminary **animatic**: a draft version of the animation with all major visuals in place.

Phase 6: Voice Recording and Sound Design

Audio is half of the experience in many animations, and it will elevate your project significantly. In this phase, you will record the voice parts, generate or gather any additional voices needed, and design the soundscape (sound effects and music). Since you have a Blue Yeti microphone and plan to do voice acting yourself, you can record narration or character dialogue lines at no monetary cost – just time and some practice. For parts you can't voice (e.g. an alien creature, or a different gender/age voice), AI voice generation can fill the gap without hiring actors. Sound design (SFX and music) can also be done cost-effectively using free resources or AI composition tools.

- **Record Narration and Dialogue:** Find a quiet room and set up your Yeti mic. Using Audacity (a free, beginner-friendly audio editor) or similar software, record your script's narration and any dialogue you plan to perform. It's best to record each character or narrator separately so you can manage their audio tracks independently. Do multiple takes for each line – you can pick the best one later. Keep an eye on recording levels (ensure your voice isn't clipping/distorting). After recording, use Audacity's noise reduction to remove background hum and its normalization to even out volume. Cut out mistakes or long gaps. You want clean, clear voice clips for every part of the script.
- **AI Voice Generation (for Other Voices):** If your story involves voices you cannot do yourself (e.g. a child's voice, or simply more characters than you can mimic), leverage AI voice tools. Services like **ElevenLabs** (which has a paid tier but offers very realistic speech) or free alternatives like Microsoft's Azure TTS can generate human-like voices from text. Simply input the lines of those characters and choose an appropriate voice style (ElevenLabs even allows you to clone a voice or use preset styles).

Generate the audio and download the clips. This way, you can have a full voice cast with just your text input. Be sure the AI voice's pacing and tone match the rest of your narration – you might need to adjust the wording or punctuation in the text to make it sound natural (for instance, adding commas for pauses).

- **Editing Voice Tracks:** Import all your voiceover files (including your own recorded narration and any AI-generated lines) into the video project. Place them on the timeline according to the script, syncing with the storyboard. Now, adjust the timing of your visuals to the voice: extend or shorten image durations so that, for example, when the narration says “He gazes at the star,” you’re still on the image of the child gazing and only cut to the next scene when the narration moves on. This synchronization will likely require fine-tuning each clip’s length. Most editors let you drag clip edges to adjust their timing easily. At this stage, your project comes to life – it’s the first time you’ll see pictures and hear sound together.
- **Sound Effects (SFX):** Identify any moments that would benefit from sound effects. Common ones: environmental sounds (crickets chirping in a night scene, wind blowing, city traffic), actions (footsteps, door creak, gunshot if relevant), and magical or sci-fi sounds (alien hum, spaceship engine, etc.). For a cost-effective approach, search online libraries for free or Creative Commons licensed sounds. Websites like **Freesound.org** allow you to find user-uploaded clips for virtually any common sound. Download the needed effects and import them into your project. Position them on the timeline at the right moments. You may need to layer multiple sounds to get the desired effect (for instance, a “magical portal” sound might be a combination of a wind whoosh and a chime). Keep volume levels in check; sound effects should enhance the scene but not overpower dialogue or narration.
- **Background Music:** Music sets the emotional tone. You have a few options here: **(a)** use royalty-free music or **(b)** create custom music with AI. For royalty-free tracks, you can explore the YouTube Audio Library, Free Music Archive, or sites like Pixabay Music – these provide free tracks for use (check license terms). Find a piece that matches the mood of your story (soft piano for emotional moments, upbeat for hopeful endings, etc.). Alternatively, AI music generators like **AIVA**, **Boomy**, or **Suno AI** can create original music based on prompts or style choices. In fact, one indie film team used Suno to generate a custom rap song for a scene when they couldn’t afford a commercial track ¹⁸. You could try a tool like that by describing the genre and mood you want; the AI will produce a unique piece. Whichever route, import the music track into your editor and place it on a lower-priority audio track (so it doesn’t interfere with voices). You’ll likely want to trim it to fit your timeline. Use keyframes or automation to duck the music volume down when narration or important sounds play, and bring it up a bit during silent stretches. The goal is a balanced mix where music adds atmosphere and emotion without drowning out the story.
- **Quality Check (Audio):** Listen to the combined audio – voices, effects, music – on good headphones or speakers. Ensure voices are clear and at consistent volume. Check that there’s no unintended noise or silence. Pay attention to transitions: add fades in/out for music and ambient sounds so they don’t start or stop abruptly. Your Yeti mic audio should be pretty good quality; if you notice any remaining hiss or plosives, you can edit those out or re-record if absolutely necessary. At this point, you’ve essentially built a radio-play version of your film (audio that conveys the story) synced to a slideshow of images. The heavy lifting is done!

Phase 7: Post-Production and Editing

In this final phase, you polish the project into a cohesive short film. It’s about fine-tuning the edit, ensuring both picture and sound sync perfectly, adding any finishing touches like color grading or effects, and then

exporting the video. This phase can really make the difference in quality, so even though it might be tempting to rush to the finish, take the time to review everything critically.

- **Sync and Pacing Refinement:** Now that all elements (visuals, voice, SFX, music) are in place on the timeline, play back the whole video and observe the pacing. Does any scene feel too short or too long relative to the narration? Adjust image durations as needed so that the storytelling feels neither rushed nor sluggish. Because you're dealing with a short film, every second counts. Ensure that cuts or transitions hit at natural points (often right after a spoken line concludes, or on a musical beat). The goal is an edit where the audio and visual rhythms complement each other ¹⁹.
- **Visual Enhancements:** This is a good time to do a pass for visual consistency. If some images look noticeably brighter or darker than others, use your editor's color correction tools to even them out. You might apply a slight **color grading** or filter over the whole film for a unified feel – for instance, a subtle cool tint if your story is mysterious, or warm glow if it's nostalgic. Many editors allow applying adjustments to each clip or even an adjustment layer over multiple clips. Since all your art is digitally created, you likely have bold colors and contrast; ensure that they look good on a typical screen (not overly saturated or too dim). If you want to get cinematic, you can add letterboxing (black bars) for a widescreen look or a gentle vignette effect to focus attention, though these are optional. Any additional effects (like blur transitions, camera shake, lightning flashes, etc.) should be added now. Keep them minimal and in line with your story's style.
- **Audio Mix Finalization:** Listen again to the full mix now that pacing is locked. Adjust volumes if needed: dialogue should be intelligible at all times, music should swell only where appropriate, and important sound effects should be audible. If you find the music competing with speech, lower it further during those moments. Many editors have audio mixing tools or at least volume envelope editing so you can fine-tune this. A trick: play the video on different speakers (computer speakers, phone, TV) briefly to see if voices are clear – sometimes what's fine on headphones is hard to hear on small speakers, so you might raise the narration a bit if needed. The result should be a balanced soundtrack where all elements complement the storytelling ¹⁹.
- **Review with Fresh Eyes (and Ears):** It helps to take a short break and then watch your film as if you were the audience. Ask yourself: does the story come across clearly without additional explanation? Are the emotions and key plot points conveyed through the combination of visuals and audio? This is where having a friend or family member preview it could help – they might catch something confusing or suggest a tweak. You can also enlist your AI assistant (describe the film to ChatGPT or even feed it a draft script) to see if it “understands” the story, which can highlight unclear parts. If any issues arise (say, a certain scene isn't as impactful as intended), you can still adjust: maybe swap in an alternate image you generated, tweak a line of dialogue (and re-record just that line or use AI voice to patch it), or add a sound cue to clarify. These small edits can significantly improve the final product.
- **Credits and Final Touches:** If you want, create a simple title card or end credits. This could be as easy as a text overlay at the start with the title of your short and your name (and perhaps a note like “Created with AI assistance”). End credits can acknowledge tools used or music sources (e.g. “Music by [Artist]” or “Voice actor: [Your Name]”). It's a nice professional touch even for a short few-minute film. Use the editor's text tool for this, keeping it visually consistent with any other text used.
- **Exporting the Video:** Once you're happy with everything, set up the final render. Common settings would be 1920x1080 resolution, 24 fps, MP4 H.264 format (which balances quality and file size). Ensure the audio is included and in good quality (48 kHz stereo is standard). Export the project to a video file. Watch the exported file fully to make sure there are no glitches (sometimes renders can

have minor issues if effects didn't cache, etc., so it's good to double-check). Congratulations – you now have a completed animated short film!

- **Distribution (Bonus):** This might be beyond the creation phase, but consider sharing your work. Uploading to **YouTube** is free and gives you a platform to show your film to others and get feedback. You can also post on communities (Reddit's r/animation or r/StableDiffusion if it's heavy on AI visuals, etc.) to share your process. Given that you created this with modern AI tools in a cost-effective way, it's a great case study to share – many others are interested in doing the same, and you can exchange experiences. Moreover, any feedback you gather can be used to improve future projects.

Tools and Resources by Phase (Summary)

Throughout the roadmap, we've mentioned various tools. Here is a quick summary of recommended tools/programs for each phase, emphasizing cost-effective or free options:

- **Story Ideation:** ChatGPT or similar AI chatbot for brainstorming story ideas and refining the script ¹. Traditional writing software (even just Google Docs or Word) to write and organize the script.
- **Concept Art & Style:** AI image generators like *Midjourney* (subscription-based, ~\$10/month) or *Stable Diffusion* (free, open-source – requires setup, but you have the hardware for it). These help create character and setting concept images in your desired style ³. Optionally, a drawing tablet and software like Krita (free) if you want to sketch or edit by hand.
- **Storyboarding:** Again *Midjourney* or *Stable Diffusion* for quick scene mock-ups ⁴. Even simple drawing apps or pen-and-paper for rough sketches. No fancy software needed – the key is visualizing each shot.
- **Asset Creation:** *Stable Diffusion (Automatic1111 WebUI)* for iterative image generation on PC – this gives you flexibility and zero per-image cost, great for generating many variations until it's right. Use models or checkpoints that suit your style (there are many community models for SD you can download). If using Midjourney for final assets, ensure you upscale the images (Midjourney has an upscale function) for quality. Image editing tools: GIMP or Photoshop (GIMP is free) for any touch-ups, cropping, or layer separation. For consistency: tools/extensions like **LoRA training** (e.g. using the Kohya SS repository) if you decide to train your own model on character images ⁵. It's a bit technical but free to do with your GPU; alternatively, services like **TheFluxTrain** (mentioned in a Medium blog) offer a paid web interface for training a LoRA easily ⁶.
- **Animation/Video Editing:** *DaVinci Resolve 18 (Free edition)* is highly recommended for its capabilities (available on Windows). It will let you do all the editing, effects, and color grading you need in one package. Simpler alternatives include OpenShot, Shotcut, or even iMovie/Windows Photos if doing very basic slideshows, but those might be limiting. For AI video generation: *Runway ML Gen-2* (web-based, offers free credits/trial but then paid) to generate short AI videos from prompts or images ¹³ ¹⁵. Open-source alternative: *AnimatedDiff* extension for Stable Diffusion (run via Automatic1111 or ComfyUI) if you want to generate short animated GIFs/videos locally ¹⁶. You may also explore community notebooks like Deforum or ModelScope text-to-video for experimental results. Note that these AI video tools are evolving, so by 2025 they keep improving – check the latest versions and user forums for tips on best settings.
- **Audio Recording:** *Audacity* (free) for recording and editing voice audio. It's simple and effective for tasks like noise reduction, cutting, and exporting to WAV/MP3. A good practice is to record in high quality (use WAV) and do all editing in WAV to avoid quality loss, then compress to MP3 only when needed.

- **AI Voice and Sound:** *ElevenLabs* (paid, but offers some free trial minutes) or other text-to-speech like *Microsoft Azure Cognitive Services (Speech Studio)* which has a free tier, for generating additional voices. For sound effects, no specific program needed – just sources like *Freesound* (download in WAV) and then use the video editor to place them. For music: *AIVA* (has a limited free tier), *Boomy* (has free song generates per month), or *Suno* (if available to you) for AI-generated music. You can also use *LMMS* or *GarageBand* (free DAWs) with free plugins to compose music yourself if inclined, but that's more manual.
- **Post-production & Finishing:** The video editor (Resolve or others) will handle the final assembly. In Resolve, you can do things like color grading in the Color page, add effects in Fusion (advanced, only if needed), and export in the Deliver page. Ensure you have the **K-Lite Codec Pack** or similar installed if on Windows to avoid any codec issues on export (Resolve includes most, but just in case for playback). You might also want a media player like VLC to review the final file. For sharing, having a YouTube or Vimeo account will be useful.

Using this roadmap, you systematically go from an idea to a finished animated short, leveraging modern AI tools at each stage to save money and time. Throughout the process, you remain deeply involved in the creative decisions – the AI acts as your helper (story consultant, illustrator, even voice actor) but you are the director orchestrating it all. By combining your vision with these tools, you can achieve a result that traditionally would require a whole team, all while keeping it **budget-friendly and true to your imagination** ²⁰. Good luck, and enjoy the creative journey of bringing your story to life!

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