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# ***CodroidHub Summer Training***

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## *Introduction*

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Generative AI is a subset of AI leverages ML and DL techniques to generate data. It helps to create new content based on previous realistic data and includes text, images, video, sound, etc.

Popular examples of generative AI include:

1. **\*Text Generation\***: Models like GPT-4 can write essays, answer questions, or generate conversational responses.
2. **\*Image Generation\***: Tools like DALL-E and Stable Diffusion can create new images from textual descriptions.
3. **\*Music Generation\***: AI systems can compose original music tracks in various styles.
4. **\*Code Generation\***: Models can assist in writing software code by generating snippets based on prompts.

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## *Application*

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**\*Creative Arts\***: Artists and designers use AI to generate artwork, designs, and music, either autonomously or as a collaborative tool.

**\*Content Creation\*:** Businesses use AI to generate marketing copy, social media posts, and personalized content at scale.

**\*Entertainment\*:** AI is used in video games to create dynamic content, such as new levels or characters, enhancing player experience.

**\*Healthcare\*:** AI can generate realistic synthetic medical data for research and training purposes without compromising patient privacy.

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## ***TYPES OF AI TOOLS***

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**Craiyon**

**Synthesia**

**Veed.io**

**Deep dream by google**

**Deepart by prisma lab**

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# CRAIYON

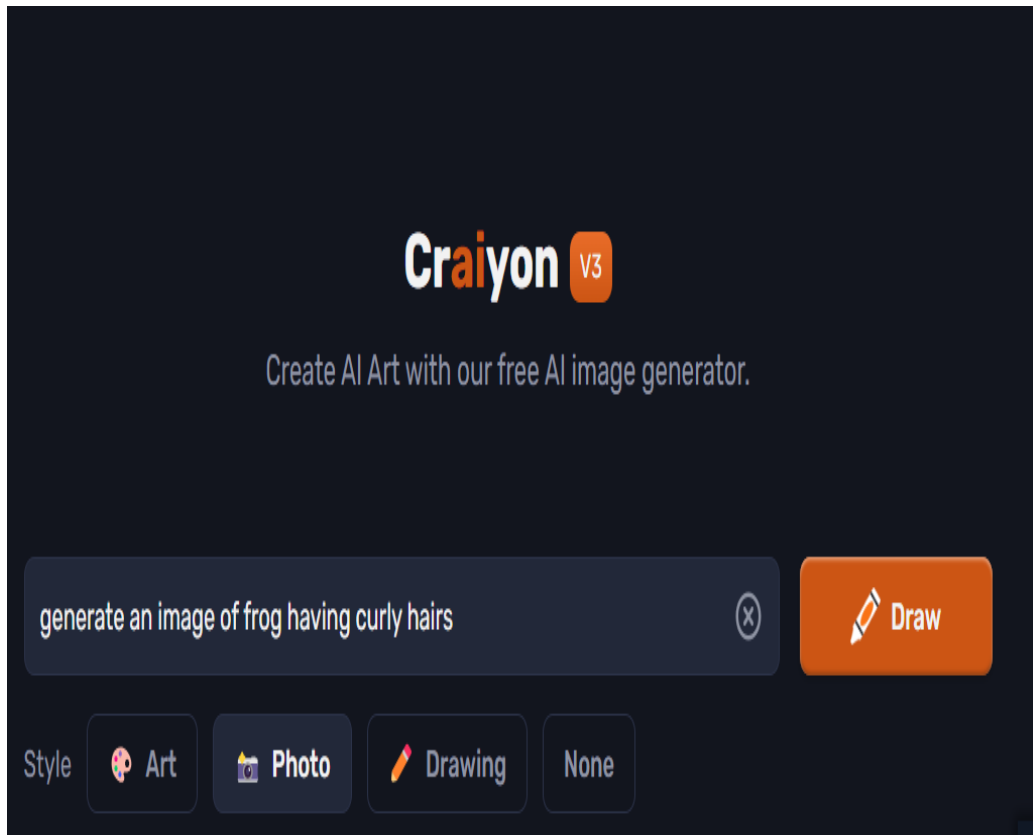
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Crayon AI uses advanced technologies like Generative Adversarial Networks (GANs) to generate images. GANs consist of a generator that creates images and a discriminator that evaluates their realism. These models are trained on large datasets to learn patterns and create realistic images across various applications, from art to medical imaging. Users interact with Crayon AI through its platform or API to generate images tailored to their needs or preferences.

## How do you create realistic images with AI?

- Creating [realistic images with AI](#) starts with, you guessed it right... the prompts.
- You're going to learn our best hacks to turn your words in to super realistic images.
- Here are some friendly tips when making [photorealistic AI images](#).



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***DEEP DREAM GENERATOR***

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## DEEP DREAM GENERATOR

Deep Dream is a program from Google that makes images look trippy by enhancing patterns it finds in them. It uses artificial intelligence to create dream-like visuals with lots of swirling shapes and colors.

Text Prompt

Info 

generate an image of a tiger playing football

NEW



Visual Prompt

Add modifiers

Negative

My prompts





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**VEED.IO**

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**VEED.IO**

Veed.ai is a tool that simplifies video editing using artificial intelligence. It offers features like automatic subtitles, video trimming, adding text and animations, and converting audio to

text. This makes it easier for users to create and customize videos without needing advanced editing skills.

# AI Video Generator <sup>BETA</sup>

Create videos using AI avatars, or generate videos from text prompts with our  
Text-to-Video tool!

✦ hi, my self tarun kumar and i am doing my summer tra

+ Try an example

Generate video

VEED



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**SYNTHESIA**

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Synthesia is a tool that uses AI to make videos of people talking, just from written text. It makes the person's face move and their lips sync up with the words, like they're really speaking. It's used for making videos, language learning, and helping people understand things better.

# Turn text to video, in minutes.

Create studio-quality videos with AI avatars and voiceovers in 130+ languages. It's as easy as making a slide deck.

Create free AI video →

# Free AI video generator

## 1 Select a template

SYNTHESIA DEMO

SALES PITCH

COMPLIMENT

## 2 Edit your video script in any language

hi, my self tarun kumar and i am doing my summer training from CODROID HUB in the supervision of Mr. devashish sir, and today i am here to explore some generative AI tools.

27 characters left

Generate Free AI Video →

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***PRISMA LAB***

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**PRISMA LABS**

Prisma Lab is a photo editing tool that uses AI to turn your photos into beautiful artworks inspired by famous artists. It applies artistic filters to your pictures, making them look unique and eye-catching with just a few taps.

# How to turn photos into art in one tap?

**Try Prisma →**



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## *Simple Program to Add Two Numbers*

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### **ALGORITHM :-**

1. Start
2. Input num1
3. Input num2
4.  $\text{sum} = \text{num1} + \text{num2}$
5. Print sum
6. End

### **OUTPUT :-**

**# Step 1: Start (No specific code for this step)**

**# Step 2: Input num1**

**num1 = float(input("Enter the first number: ")) # Using float to handle decimal inputs**

**# Step 3: Input num2**

**num2 = float(input("Enter the second number: ")) # Using float to handle decimal inputs**

**# Step 4:  $\text{sum} = \text{num1} + \text{num2}$**

**sum = num1 + num2**

**# Step 5: Print sum**

**print("The sum of", num1, "and", num2, "is:", sum)**

**# Step 6: End (No specific code for this step)**

