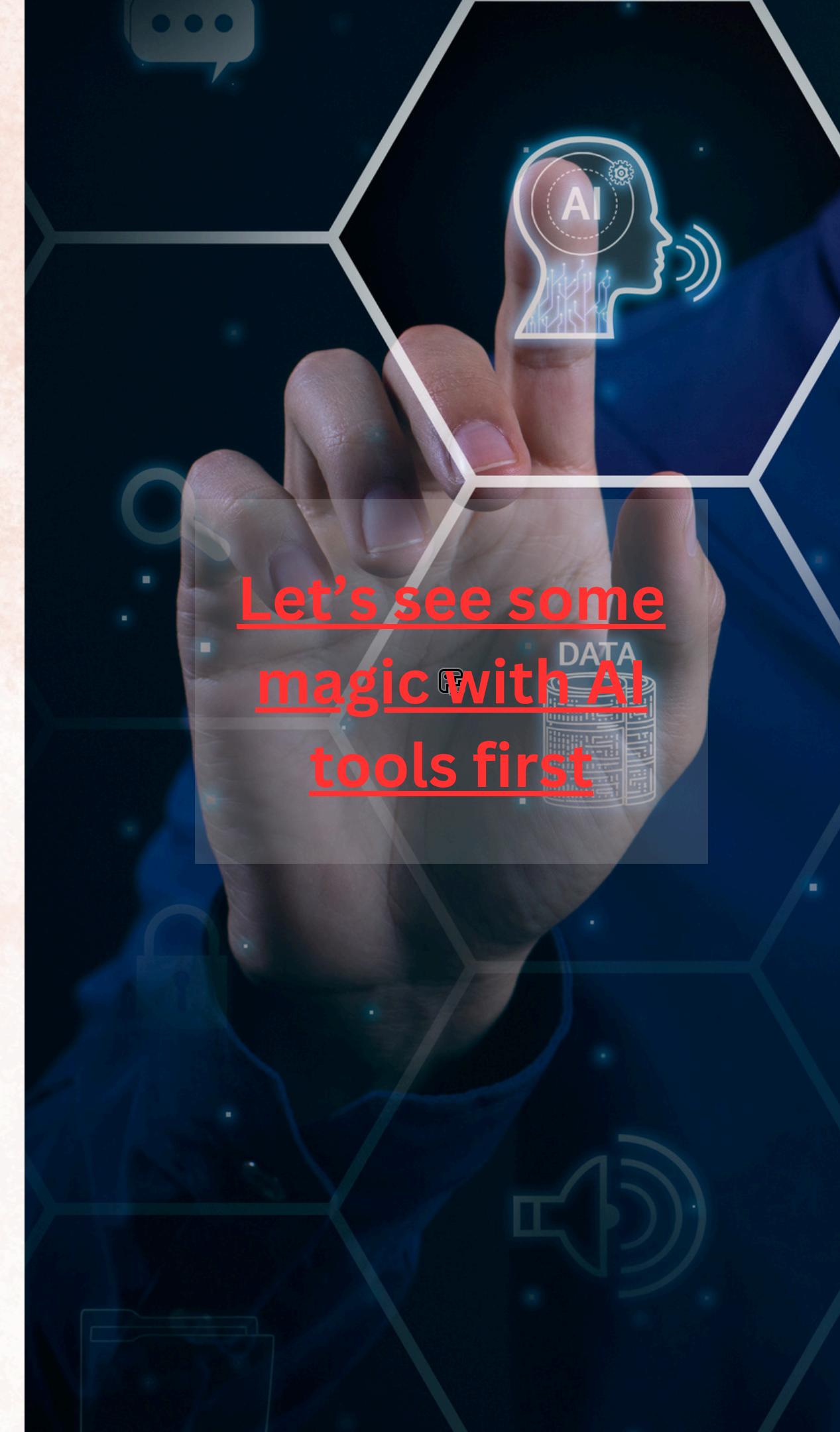


Ramsum.in Presents

# Points of Prompt Engineering

Written & researched by  
Shailesh Tripathi



## Chatgpt

You can ask anything to chatgpt. Any problem like any ppt you want to make,Any article you want to summarize,any math calculation,any article,any poem,any code anything, Chatgpt will answer you about anything. You just need to write a right prompt to get maximum output. Many versions, regulary gets updated.

## Gamma.app

You can make Presentation, webpage, document with this AI Tool.

## 12ft.io

You want to read a paid article? Use this AI tool and the paywall will disappear.

## Merlin Chrome Extension

Add this extension in you chrome browser. You can then use this to summerise any article, any youtube podcast or video. you just need to write a prompt like- “explain this in 5 bullet points like a 12 years kid.”

## Sci-hub.se

You can read any science article by using this tool.

## Playground.ai

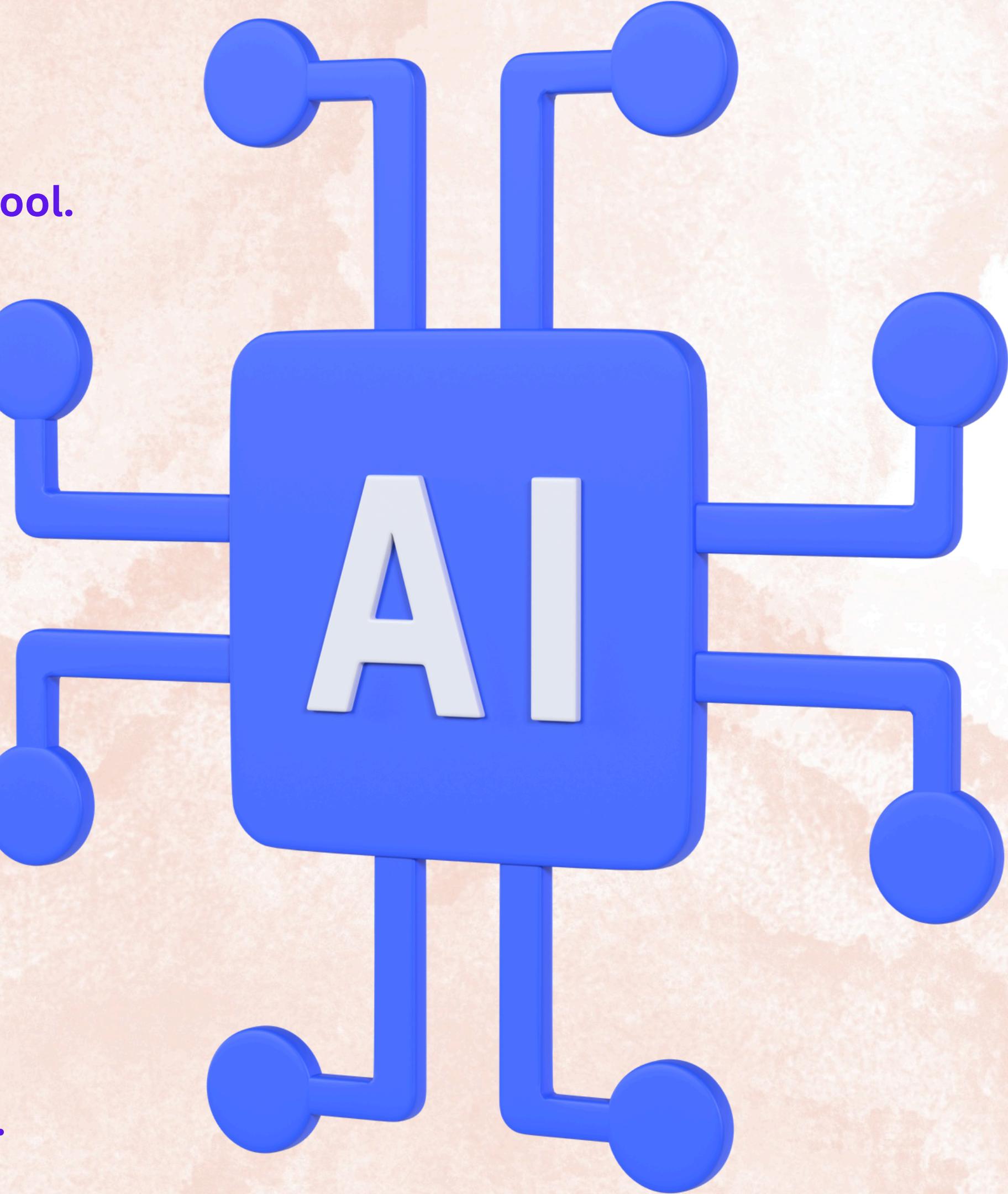
You can create any image with this. You just need to write a right prompt for right image.

## app.yoodli.ai

If you are going to give any interview, speech or presentation etc, you can practice here by yourself. You need to open this tool, record yourself and this app will tell you the areas you need to improve.

## Gemini by Google

You can ask anything to gemini like we ask to chatgpt. You can write any code, material for ppt, anything, bard will help you. In some cases this will give you more accurate results than any other tool.





## debugcode.ai

if you have written a code wrong or there is a debug in the code and you are unable to find the bug then this AI Tool will help you.

## formula.dog

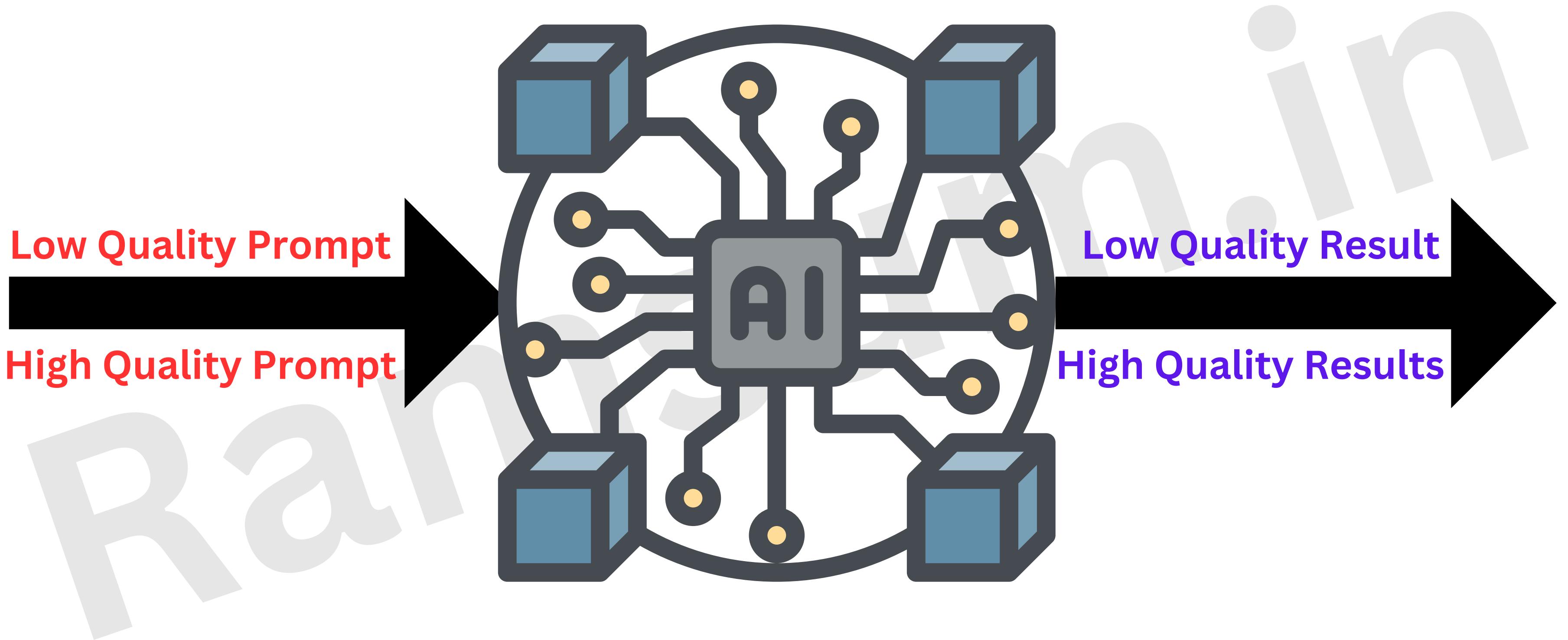
English to MS Excel/Google Sheet/Airtable, English to Regex, English to VBA Code, English to SQL New, Code/Formulas/SQL to English- these are the services this AI Tool can provide. If you want to create any formula you can create, you want to decode any formula you can by using this AI Tool.

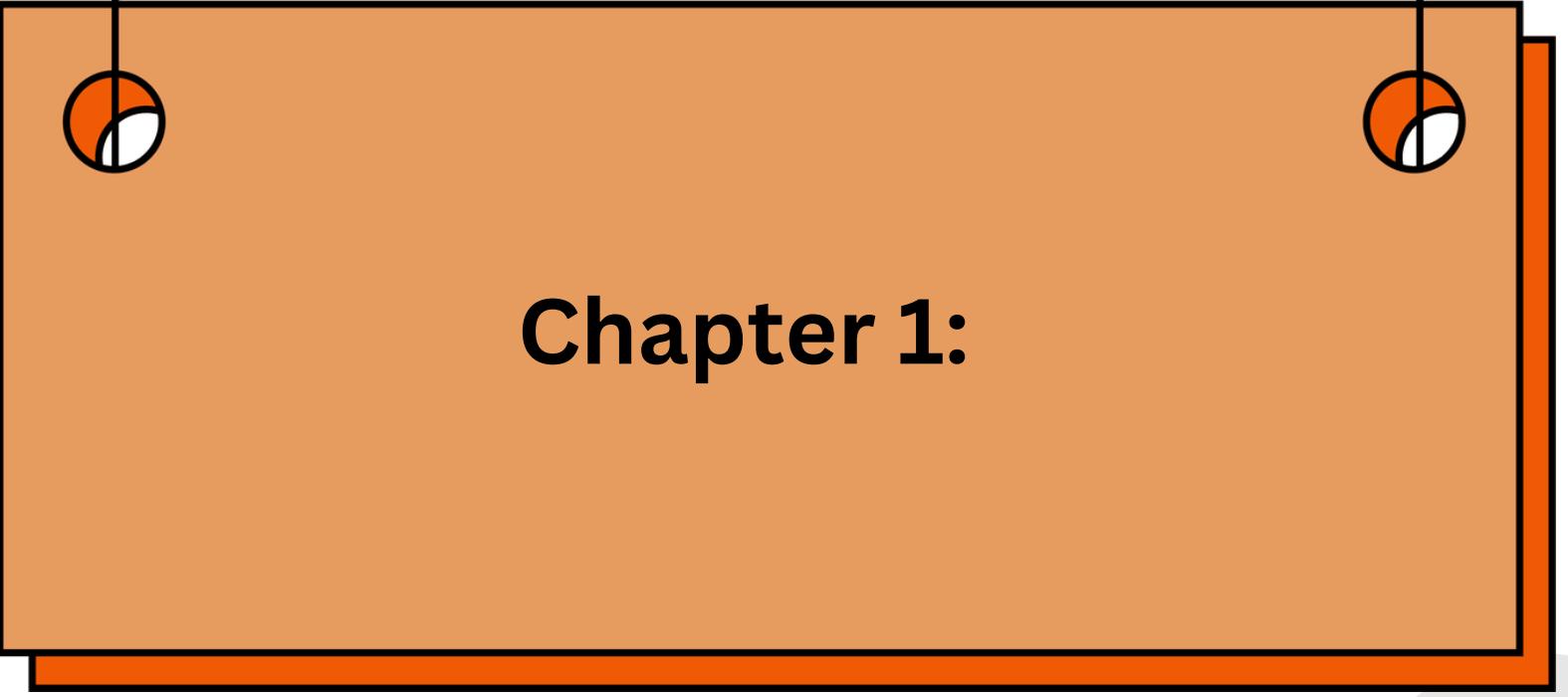
## Signalhire.com

This Tool can provide you the email id and number of any person on LinkedIn. Yes it's true.



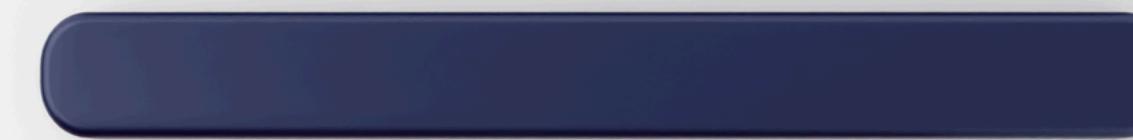
**By now you should have an idea of what various tools can do. Every AI tool works differently, ChatGPT and Google's Bard are two of the biggest AI tools that can do anything for you. If You Learn to Use These Two AI Tools, You Can Do Anything. So let's discuss how we can take advantage of AI Tools.**

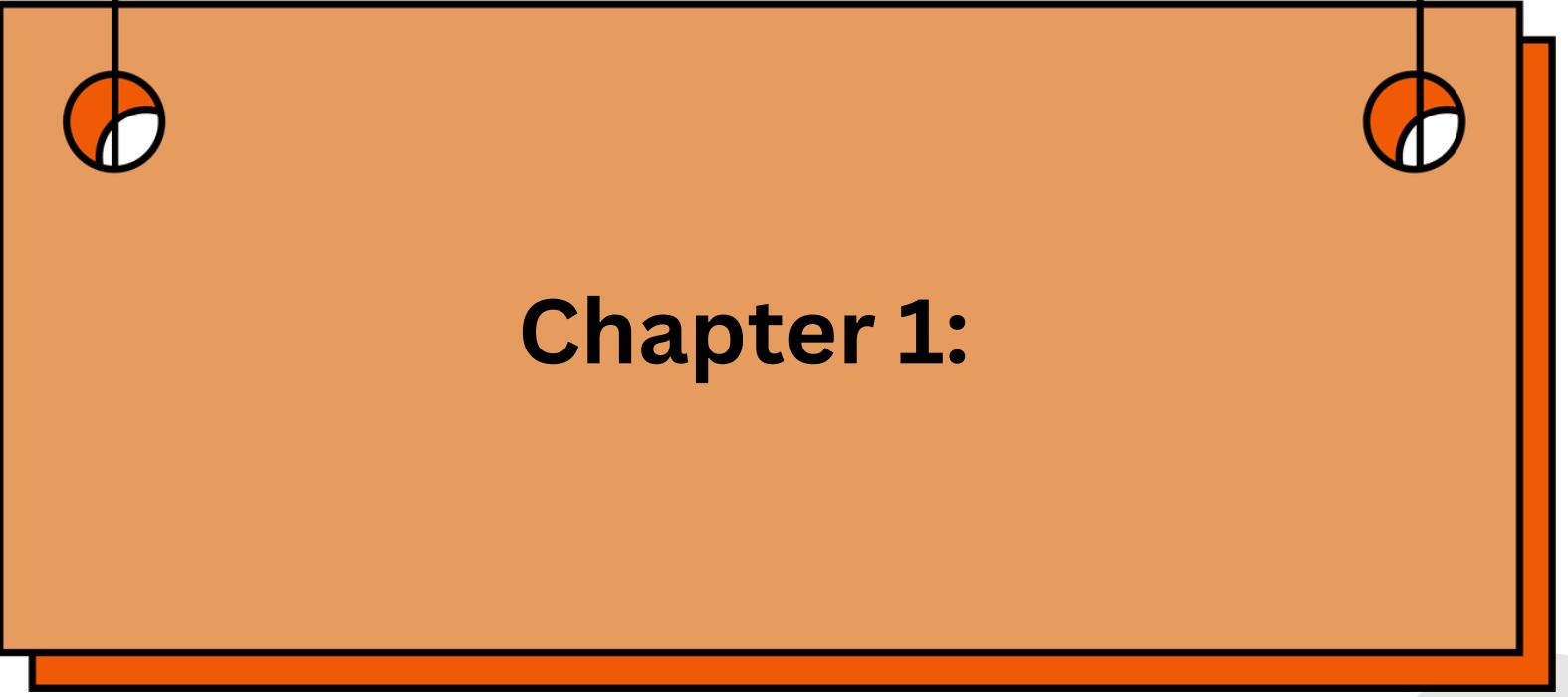




## Chapter 1:

What are AI tools?





## Chapter 1:

What are AI tools?





AI tools, or Artificial Intelligence tools, are like smart helpers for computers. They're digital tools that can learn and understand things, a bit like how we learn from our experiences.

Imagine you have a friend who's really good at solving puzzles. AI tools are a bit like that friend, but they're digital and can help computers solve all kinds of problems. These tools can learn from information, make smart decisions, and even understand what we say to them.

## What are AI Tools?

For example, when you talk to your voice assistant (like Siri or Alexa) and ask it to play your favorite song, it uses AI to understand your words and find the right music for you. Or when you see your phone recognizing faces in pictures, that's AI too!

So, in simple words, AI tools are like clever digital friends for computers, helping them do smart things and make our tech experiences better and more interesting.



AI Tools, woh digital jadoogar hain jo humare tech universe mein kisi bhi samasya ka hal nikalne mein madad karte hain.

Imagine karo, jaise humare purane kisse mein jadoogar apne jadoo se kisi bhi samasya ko hal karte the, waise hi AI tools bhi kuch khaas kaam karte hain! Inka kaam hai data ko samajhna, sikna aur hamare liye kaam karna. Aise digital jadoogar hain ye!

## Use of AI Tools

English seekh sakte hain, Kisi bhi exams ki taiyari kar sakte hain,coding kar sakte hain,social media ko achcha kar sakte hain, perosanlity achchi kar skte hain, gaon me baitha ladka english bolna seekh sakta hai,computer chalana seekh sakta hai, coaching mejo sikhaya jata hogा wo sab jaan skta hai,koi bhi problem puch skte hain,kisi bhi cheej ka roadmap bana skte hain jaise NEET ki taiyari karni hain, IITJEE ki taiyari karni hai ya job interview ki taiyari karni hai, kya padhna hai ye puch skte hain aur na jane kya kya....badhiya photo chahiye, purani photo ko badhiya karna hai, kisi problem me opinion chahiye,kuch bhi jo bhi apke man me problems hain sabkuch AI Tools apke liye kar sakte hain.

## Use of AI Tools?

Imagine you have a tiny robot friend in your pocket who can do amazing things. These are AI tools, like super-smart assistants on your phone or computer. They're like detectives, analyzing photos to find the dog who stole your cookie! Or artists, painting pictures just from your words! And they can translate languages, like magical interpreters, letting you talk to anyone in the world. The more you use them, the smarter they get. They're still learning, just like you, so be patient if they make mistakes. But remember, these AI friends are here to help you explore, create, and solve problems in ways we never could before. So go forth, young minds, and unlock the magic of AI!

Think of them as friendly wizards in the classroom, turning the mundane into the extraordinary. Picture AI tools as your personal tutors, transforming homework into captivating quests. They're not just mentors; they're enchanters, making every concept an adventure. Like diligent companions, AI tools work tirelessly, even in the quiet of the night, unraveling mysteries. With AI tools, education becomes an enchanting journey, where each lesson is a spellbinding chapter in the book of knowledge.

## Use of AI Tools?

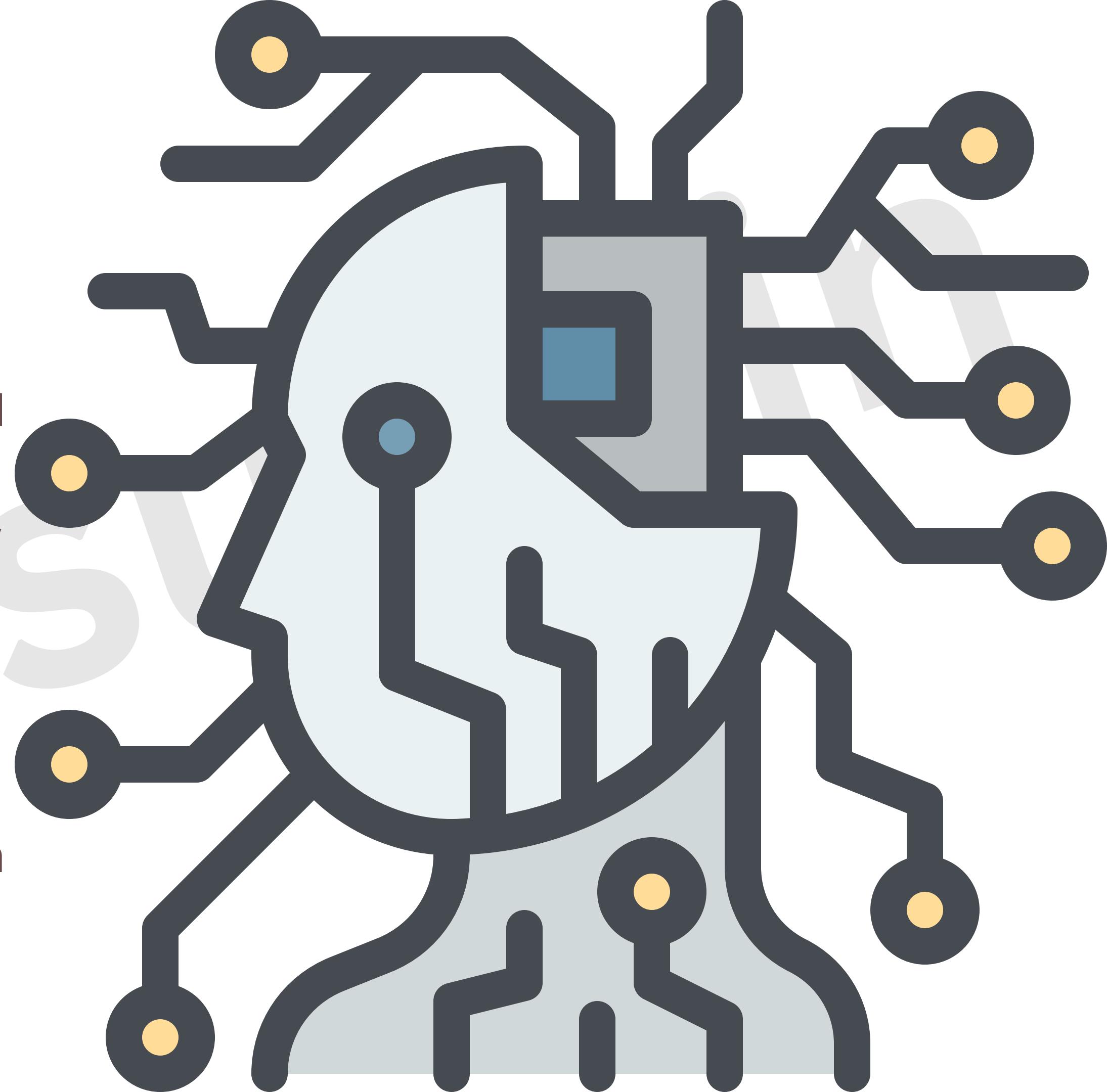


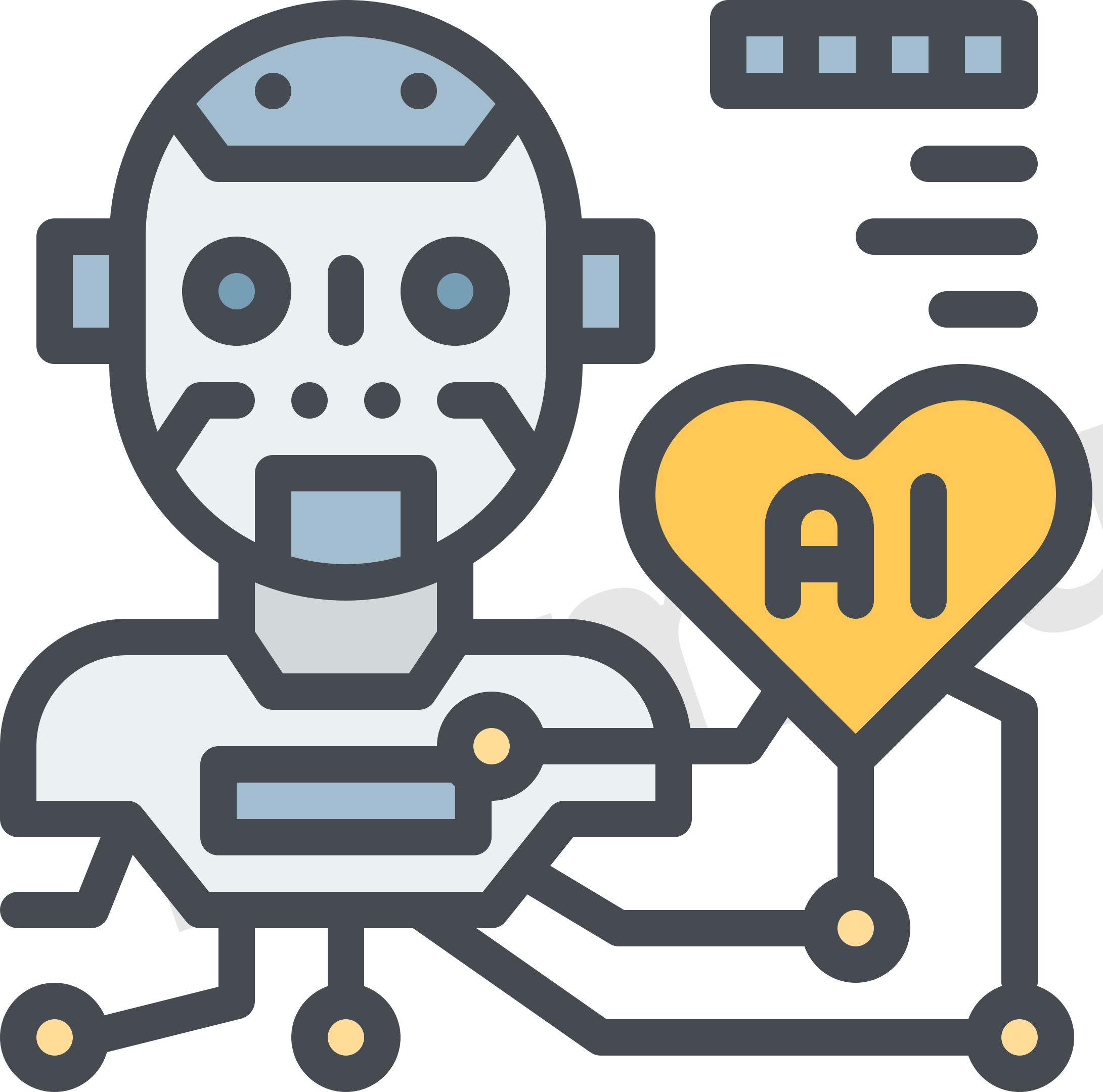
In the fascinating world of education, Artificial Intelligence (AI) tools serve as fantastic helpers, making learning more exciting and personalized for students. Imagine AI tools as friendly guides that understand each student's unique way of learning. For future engineers, AI tools act like virtual tutors, helping with tricky problems in subjects like math and coding. It's like having a smart friend who patiently explains complex concepts and adjusts to your own learning speed. Now, for all students, including our aspiring engineers, AI tools are like creative teammates. They turn studying into fun adventures, with interactive games that make learning math or languages enjoyable. Consider Grammarly, a writing tool that's like a helpful editor. It corrects spelling and grammar mistakes, just like a wise mentor gently guiding you to write better. In simple terms, AI tools make learning easier and more fun. They're like friendly companions on your learning journey, helping you understand things better, whether you're solving tough math problems or crafting fantastic stories.

## Most Important

The uses we have discussed are only a small part of the many. AI tools can do anything. You just have to search for a certain way about any of your problems, we will talk about these methods later.

Gradually you will understand how you can search anything on AI tools like ChatGPT, Braid etc





lets know  
how to use  
these AI  
Tools?

Prompt Engineering

**Elements:**



## **What is Prompt Engineering & Prompt:**

**Who can do Prompting?  
or who can become a  
prompt engineer?**

## **Elements of a Prompt**

**Tips to Become a Better  
Prompt Engineer for  
Generative AI**

**Prompt engineering  
techniques**



AI is transforming multiple sectors whether it is technical or related to arts, and education is a prime candidate for innovation. Prompt engineering serves as a bridge between AI capabilities and educational needs, enabling the creation of more targeted, engaging, and effective learning materials and assessments.

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## What is Prompt Engineering & Prompt:

A prompt is a natural language text that requests the generative AI (AI Tools) to perform a specific task. Generative AI is an artificial intelligence solution that creates new content like stories, conversations, videos, images, and music. It's powered by very large machine learning (ML) models that use deep neural networks that have been pretrained on vast amounts of data.

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Prompt engineering is the process of structuring text that can be interpreted and understood by a generative AI model. A prompt is natural language text describing the task that an AI should perform.



Prompt engineering is the most crucial aspect of utilizing LLMs(AI Tools) effectively and is a powerful tool for customizing the interactions with ChatGPT. It involves crafting clear and specific instructions or queries to elicit the desired responses from the language model. By carefully constructing prompts, users can guide ChatGPT's output toward their intended goals and ensure more accurate and useful responses.

## What is Prompt Engineering & Prompt:

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Prompt engineering is the practice and process of crafting strategic questions to ultimately reach your desired output when leveraging a language model or other machine learning systems(AI Tools).

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Prompt Engineering human writing, refining, and optimizing prompts in a structured way .This is done with the intention of perfecting the interaction between human and generative AI models(AI Tools) to the highest degree possible.



## What is Prompt Engineering & Prompt:

generative models depends on how you define the input prompts. The more specific your prompt, the better the output. Even text-to-image models, such as MidJourney, Stable Diffusion and Dall-E, require prompts for effective functioning. Prompts are textual or visual inputs provided to generative AI models to influence the nature and output of their creations. They serve as the initial spark, providing context and guidance for the model's generation process and steering it towards the desired output.

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The large language models (LLMs) are very flexible and can perform various tasks. For example, they can summarize documents, complete sentences, answer questions, and translate languages. For specific user input, the models work by predicting the best output that they determine from past training.

# Who can do Prompting? or who can become a prompt engineer?

**Everyone.** As the world is changing, everyone will have to learn how to prompt someone and use AI tools. Because today, not tomorrow, most of the work will be done through AI tools, that is why everyone will have to learn prompting. One who does not learn engineering quickly will be left behind in the world in the same way as one who does not learn computers. This is the right time to learn prompt engineering in a rapidly changing world.

# Who can do Prompting? or who can become a prompt engineer?

Anyone interested in working with AI models, generating specific responses, or utilizing AI tools effectively can engage in prompting. Here are the types of individuals who can benefit from becoming prompt engineers:

**1. AI Enthusiasts:** Individuals passionate about exploring and experimenting with AI technologies. Those interested in understanding how to interact with AI models to achieve desired outcomes.

**2. Students and Researchers:** Students studying various disciplines, including computer science, linguistics, or any field with an interest in AI. Researchers looking to leverage AI models for data analysis, language understanding, or other research applications.

**4. Professionals in Any Industry:** Professionals from diverse fields, including marketing, finance, healthcare, and more. Those seeking to use AI tools to enhance their workflows, automate tasks, or gain insights from large datasets.

# Who can do Prompting? or who can become a prompt engineer?



**4. Content Creators and Writers:** Bloggers, writers, and content creators interested in generating creative and engaging content using AI models like ChatGPT and BARD. Those looking to explore new ways of storytelling or generate ideas with the help of AI.

**5. Educators and Trainers:** Teachers and trainers who want to integrate AI tools into educational content or training materials. Those interested in creating interactive and engaging learning experiences with AI-generated content.

**6. Job Seekers and Career Changers:** Job seekers looking to acquire skills that are increasingly relevant in today's tech-driven job market. Individuals interested in transitioning to roles involving AI, machine learning, or natural language processing.

**7. Entrepreneurs and Innovators:** Entrepreneurs looking to leverage AI models for innovative product development. Those seeking to create applications, services, or experiences that involve AI-generated content.

# Who can do Prompting? or who can become a prompt engineer?

**8. AI Professionals and Developers:** AI professionals who want to enhance their skills in crafting effective prompts for better model outputs. Developers interested in optimizing the interaction between users and AI models.

## Skills Required to Become a Prompt Engineer:

**Understanding of AI Basics:** Basic knowledge of how AI models work and their applications.

**Language Understanding:** Proficiency in natural language to effectively communicate with AI models.

**Creativity:** Ability to craft creative and imaginative prompts for generating diverse outputs.

**Problem-Solving Skills:** Capacity to identify and refine prompts based on desired outcomes.

# Who can do Prompting? or who can become a prompt engineer?

**Continuous Learning:** Willingness to stay updated on advancements in AI and model capabilities.

**Adaptability:** Ability to adapt prompts to different AI models and applications.

**Ethical Considerations:** Awareness of ethical considerations when designing prompts to avoid biases or unintended consequences.

**Collaboration:** Ability to collaborate with others, share ideas, and seek feedback for prompt improvement.

Becoming a prompt engineer is about mastering the art of communication with AI models to elicit the desired responses. It's an accessible skill for a wide range of individuals across different backgrounds and professions.

# Who can do Prompting? or who can become a prompt engineer?

koi bhi prompt engineer ban sакta hai,kahi padhne wala,kahi job karne wala,job ke entrance se lekar interview dene ki taiyari karne wala, kisi art form me kaam karne wale artist se lekar kisi bhi engineer tak. Prompt engineering ek aisi skill hai jo har kisi ko aani chahiye,chahe wo hindi bolta ho,english bolta ho,spanish bolta hai,bhojpuri gujrati bolta ho,Al tools har kisi ke liye bane hain,koi bhi inse apni problems ka solution le skta hai.

3

**Instruction:** It is a statement tasking the model to perform something.

1

## Elements of a Prompt

2

**Context:** Context is what streamlines the model to the problem. If not, it can go completely out of context and give poor responses.



**Input Data:** It is the input as a whole single entity.

**Output Indicator:** In role-playing, it indicates the type of output which will be a code. This element helps the model channel outputs suitably.

4

## Talk to the AI like you would talk to a person



When I say talk to it like a person, I mean talk to it like you would a co-worker or team member. If that's hard to do, give it a name—"bhai". This naming helps because when you talk to Bhai, you might include conversational details, little anecdotes that give your story texture, a variety of possibilities, and more. This is called interactive prompting.

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## Tips to Become a Better Prompt Engineer for Generative AI

### Set the stage and provide context

Writing a ChatGPT prompt is more than just asking a one-sentence question. It often involves providing relevant background information to set the context of the query. Let's say that you want to prepare for a marathon. You could ask ChatGPT: "**How can I prepare for a marathon?**" But you'll get a far more nuanced answer if, instead, you tell the AI that you're training for your first marathon. The answers you get will be more focused on your needs, as in: "**I am a beginner runner and have never run a marathon before, but I want to complete one in six months. How can I prepare for a marathon?**" Do you see how you're giving the AI much more information with which to provide you with a more focused and helpful answer?

# Tips to Become a Better Prompt Engineer for Generative AI



## Understand the Basics

Text prompts are a fundamental way for users to interact with generative language models, which aim to generate the next sequence of words that are most likely to follow from the given input text.

## Identify Prompt Components

These components include instructions, primary content, examples, cues, and supporting content. Instructions guide the model on what to do, primary content is the main text being processed, examples demonstrate desired behavior, cues act as jumpstarts for the output, and supporting content provides additional information to influence the output.

## Craft Clear Instructions

Be specific and leave as little room for interpretation as possible. Use analogies and descriptive language to help the model understand your desired outcome.

**Example-1. Simple instructions:** Write a brief product description for our new cloud-based collaboration tool.

**2. Complex Instructions:** Write a compelling email inviting potential clients to our upcoming product launch event for ContosoSync. Include benefits of attending and express gratitude of support.

## Tips to Become a Better Prompt Engineer for Generative AI



### Tell the AI to assume an identity or profession

One of ChatGPT's coolest features is that it can write from the point of view of a specific person or profession. You can make AI tool kalidas and sultana daaku both at the same time. for example- “act and think like kalidasa. Give me a poem on the subject “India in 2019”. take this in mind i want a poem of atleast 16 stanzas.”- Chatgpt will give you answer by using words like kalidasa could have used.(True for all the AI Tools)

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### Understand the Different APIs/AI Tools

Depending on the model/AI Tools you're using, such as GPT-35-Turbo or GPT-4, Midjourney, Bard etc, you'll need to format your input differently for every Chat Completion API or the Completion API or AI Tools.

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### Utilize Examples & Avoid dominating Results

Examples play a vital role in prompt engineering. By including input and output pairs, you condition the model to respond as desired for the current inference.

# Tips to Become a Better Prompt Engineer for Generative AI



## Pay Attention to Cueing

Cues provide a starting point for the model's output. They help direct the model towards the desired response. Including cues in your prompt can help guide the model to generate output aligned with your intentions.

Example- “Performance reviews are a core component of our Performance & Development approach at Contoso. [...] Summarize the above email message.

**Key Points:** Contoso is introducing changes to the performance review experience, based on feedback from employees.

- The changes include a new focus on core priorities, expectations, and impact; an upgraded user experience; and new guidance on company-wide core priorities.
- Performance reviews are a time to reflect on past performance and learning as well as to plan for future priorities and growth opportunities.
- Employees and managers should write comments in advance of the performance review meeting.
  - There should be at least two performance reviews per year.
  - The time investment for each review should remain about the same.”

-WE HAVE GIVEN MANY CUES IN THE ABOVE PROMPT.

# Tips to Become a Better Prompt Engineer for Generative AI



## Test Arrangements

The order in which information is presented in the prompt can impact the model's output. Experiment with different arrangements of instructions, primary content, examples, and cues to achieve the desired results.

## Give the Model an "Out"

Sometimes, the model may struggle to complete a task accurately. To mitigate this, provide alternative paths or instructions for the model to follow if it cannot find a satisfactory response. This helps prevent the generation of false or nonsensical answers.

**EXAMPLE-** You are an AI assistant that helps people find information. **Answer in as few words as possible.** John Smith is married to Lucy Smith. They have five kids, and he works as a software engineer at Microsoft. What search queries should I do to fact-check this?## One possible search query is:"John Smith married Lucy Smith five kids software engineer Microsoft"

**-HERE WE HAVE CLEARLY WRITTEN ABOUT WHERE MODEL CAN STOP WRITING.**

## Be Mindful of Token Limits

Prompt size is limited by the number of tokens the model can handle. Tokens represent individual units of text. For example, The Azure OpenAI text-davinci-003 model has a limit of 4097 tokens of combined input and output.

## Keep ChatGPT/AI Tools on track

AI Toolshas a tendency to go off the rails, lose track of the discussion, or completely fabricate answers.If you have a fairly long conversation with ChatGPT/AI Tools, you'll start to notice that the AI loses the thread. This is clearly not unique just to AIs. If you have a fairly long conversation with most friends, family, and coworkers, someone is bound to lose the thread. That said, when you're in a conversation with any AI Tool, you can use the same techniques you use with friends. Gently guide the AI back on track, and remind it what the topic is, as well as what you're trying to explore.

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## Don't be afraid to play and experiment

One of the best ways to up your skill at this craft is to play around with what the chatbot can do.Try feeding ChatGPT a variety of interesting prompts to see what it will do with them. Then change them up, and see what happens.





abhi tak jo padha wo general  
dhyan dene wali baate  
thi.Chalo ab thodi technically  
samjhte hain ki kaise AI tools  
ko ham achche se use kar  
sakte hain

Let's discuss the techniques:

Let's  
discuss the  
techniques:

## Least-To-Most Prompting:

"Least-To-Most Prompting" is like asking AI Tool to do something step by step, starting with a simple request and giving more information if needed.

In this prompt engineering technique, the model is prompted first to list the subproblems of a problem, and then solve them in sequence

Example- imagine that a user prompts the model with a math problem like "Solve for x in equation  $2x + 3 = 11$ ." The model might first list the subproblems as "Subtract 3 from both sides" and "Divide by 2". It would then solve them in sequence to get the final answer.

Example- Let's understand in four steps:

Least Prompting: First, you say, "Draw a cat." It might not be perfect, but you want to see what the computer does on its own.

Some Prompting: If the computer's drawing isn't quite right, you add a bit more: "Draw a cat with a tail and whiskers."

More Prompting: If it still needs help, you say, "Draw a cute cat with a long tail, pointy ears, and happy eyes."

Most Prompting: If necessary, you get super specific: "Draw a cute orange cat with a long, curly tail, small pink ears, and a big smile on its face."

Let's  
discuss the  
techniques:

## Self-Ask Prompting:

"Self-Ask Prompting" is a method where an AI system generates its own questions and answers to improve its capabilities. Let's understand:

### **Traditional User Prompt:**

User: "Translate 'hello' to French."

-In this case, the user is directly asking the AI for a translation.

### **Self-Ask Prompt Example:**

AI: "Can you translate common English greetings into different languages?"

AI (answers itself): "Sure! 'Hello' in French is 'Bonjour.'"

-Here AI Tool has answered by himself by observing how user has used the AI Tool before.

It's a way for the AI Tool to be more independent and constantly update its knowledge without waiting for someone to tell it what to do.

## Zero-Shot Prompts

The zero-shot strategy involves the AI Tools generating an answer without any examples or context. This strategy can be useful when the user wants a quick answer without providing additional detail, or when the topic is so general that examples would artificially limit the response.

Let's  
discuss the  
techniques:

With zero-shot prompting, we're expecting the model to respond without providing examples of the desired output or additional context to the task at hand. For example:

1. Generate 10 possible names for my new dog.
2. Analyze the sentiment of the following tweet and classify it as positive, negative, or neutral. Tweet: "Prompt engineering is so fun." Sentiment:
3. Translate the following English sentence to French: 'Hello, how are you?'
- 4- “144 ka square root batao bhai?”
5. "Who is the capital city of Japan?"

Let's  
discuss the  
techniques:

## One-Shot Prompting

The one-shot strategy involves the AI Tool generating an answer based on a single example or piece of context provided by the user. "One-shot prompting" means an AI can learn from just a single example. Let's take some Examples:

**1.Prompt-**Generate 10 possible names for my new dog.A dog name that I like is Banana.

**2.Example:** You show a picture of a red apple and say, "This is the color red." The AI learns that color. Now, if you show a green apple, it might recognize it as a different color based on the one example you provided.

**3.Example:** You say, "When I say 'play,' start a song." The AI learns that when it hears "play," it should start playing music. Now, if you say "play" again, it knows what to do based on the one example.

-Is method ka use ham AI Tool ko koi command dene ke liye kar sakte hain

Let's  
discuss the  
techniques:

## Few-Shot Prompting

As the name suggests, few shot prompting refers to presenting a model with a task or question along with a few examples of the desired output. This strategy can guide ChatGPT's response and ensure it aligns with the user's intent. The idea here would be that several examples would provide more guidance to the model than one. Examples:

- 1.Prompt- Generate 10 possible names for my new dog. Dog names that I like include:- Banana, Kiwi, Pineapple, Coconut.**
- 2.Example: You give two examples to Train AI - "Add 5 and 3" and "Add 8 and 2." The AI learns the pattern and can now add similar numbers, like "Add 6 and 4."**
- 3.Prompt:### Identify suitable features for a project management software based on the given problems:Problem 1:Teams have difficulty in tracking the progress of their projects.  
Feature 1:Progress tracking dashboard with visual indicators and real-time updates.  
Problem 2:Collaboration among team members is not efficient.  
Feature 2:In-app chat and file sharing for seamless communication and collaboration.  
Problem 3:Project managers struggle to allocate resources effectively.  
Feature 3:Resource management module with workload analysis and smart resource allocation.Problem 4:Managing and prioritizing tasks is time-consuming.  
Please suggest a feature to address Problem 4:**

## Chain-of-thought(CoT)prompting

Chain-of-thought prompting is about using real-time AI interactions to guide the tool toward more accurate and comprehensive answers. Chain-of-thought prompting is a technique that breaks down a complex question into smaller, logical parts that mimic a train of thought. This helps the model solve problems in a series of intermediate steps rather than directly answering the question. This enhances its reasoning ability

**Prompt:** Q: A subscription-based software company has 1000 customers. This month, they acquired 200 new customers and lost 50 due to churn. What is the net customer growth rate for the company? Let's think step-by-step.

**Prompt2-**"Imagine you're a tour guide in a new city. A visitor asks you, 'What makes this city special?' Take me through your thought process as you decide what aspects of the city to highlight, considering history, landmarks, and local culture."

**Prompt3-**"You're a chef creating a new recipe. Explain the process of how you decide on the ingredients and the steps to prepare the dish. Consider factors like flavor combinations, cooking techniques, and the overall presentation. Take me through your thought process as you craft this unique recipe."

-In the last two prompt we can easily see how prompt encourages AI Tool to simulate a chain of thought

Let's  
discuss the  
techniques:

## Tree-of-thought prompting:

The tree-of-thought technique generalizes chain-of-thought prompting. It prompts the model to generate one or more possible next steps. Then it runs the model on each possible next step using a tree search method.

For example, if the question is "What are the effects of climate change?" the model might first generate possible next steps like "List the environmental effects" and "List the social effects." It would then elaborate on each of these in subsequent steps.

Prompt- "Imagine you're a scientist studying climate change. Begin with an overview of the key factors contributing to climate change. Then, explore the consequences on ecosystems, weather patterns, and human societies. Finally, discuss potential solutions and their implications. Take me through a 'tree of thoughts' on the topic, branching out into various aspects."

-This prompt encourages ChatGPT to organize thoughts in a structured manner, starting with a broad overview and then branching into specific aspects like consequences and solutions, creating a 'tree' structure of ideas.

## ReAct

Let's  
discuss the  
techniques:

The idea of ReAct is to combine reasoning and taking action. Let's understand this with an example:

Prompt- "You're a helpful assistant. If someone asks for the weather, provide the current conditions and suggest dressing appropriately. If they mention feeling down, react by offering a cheerful message or a joke to uplift their mood. Your goal is to not just answer questions but to actively respond in a friendly and supportive way based on the user's emotional tone."

-In this example, the AI is instructed to react differently based on the user's input. If it's about the weather, the AI gives information and suggests dressing accordingly. If the user expresses a negative emotion, the AI reacts by offering positive and uplifting messages.

Let's  
discuss the  
techniques:

## Input/Output Prompting

The input/output prompting strategy involves defining the input that the user provides to the LLM and the output that the LLM is to generate in response.

**Prompt-**Generate a Python script that takes a single mandatory command line argument (`[project]`) and performs the following tasks:

- creates a new folder named `[project]`
- creates a file within the new folder named `[project].py`
- writes a simple Python script file header to the `[project].py` file

**Prompt:** "You are a language translation AI. Given the input sentence 'Hello, how are you?' in English, translate it into French. Ensure the output is grammatically correct and sounds natural in French."

-In this prompt, the AI is explicitly instructed on the input it should process (an English sentence) and the desired output (the translation in French). This type of prompt is commonly used for tasks where the input and output relationship needs to be precise and well-defined.

## Generated knowledge prompting

This technique involves prompting the model to first generate relevant facts needed to complete the prompt. Then it proceeds to complete the prompt. This often results in higher completion quality as the model is conditioned on relevant facts

Let's  
discuss the  
techniques:

**Prompt-**"Imagine you're a cultural storyteller. Narrate a brief story about the significance of Diwali, the festival of lights, in India. Capture the essence of traditions, rituals, and the cultural importance of this celebration. Tailor your storytelling for an audience keen on understanding diverse cultures."

-In this prompt, the AI is encouraged to generate knowledge by crafting a narrative about the significance of Diwali, a major festival in India, incorporating details about traditions, rituals, and cultural importance. The storytelling should be engaging and suitable for an audience interested in learning about different cultures.

## Creative Writing

**Crafting creative content prompts can help you generate imaginative narratives, captivating stories, and unique textual expressions tailored to your audience's preferences and interests. Use some Creativity to get a creative result like a story, poem etc and see the magic.**

**Let's  
discuss the  
techniques:**

**Prompt-**"You are a creative storyteller. एक छोटी सी गाँव की एक छवि में से रंग-बिरंगे पौधों और फूलों की खुशबू आती है। इस गाँव की एक छोटी सी कहानी बनाओ, जिसमें प्राकृतिक सौंदर्य और सामाजिक संबंधों की मिठास हो।"

**-Look at the above prompt, we have used two languages to create a prompt. We will get a beautiful story written by AI Tool in results.**

## Prompt Reframing

**Prompt reframing or AI prompt customization lets you subtly change your prompts' wording while maintaining the query's original intent.**

**Let's  
discuss the  
techniques:**

**Original Prompt – What are some ways to optimize a website for speed?**

**-now when we get the results,we give another prompt  
which is actually reframing of original prompt.**

**Reframed Prompt – Can you list techniques to improve website loading times?**

Let's discuss the techniques:

## Iterative Prompting

Iterative prompting is another effective technique where you build upon previous responses by asking follow-up questions. With it, you can dive deeper into a topic, extract additional insights, or clarify any ambiguities from the initial output. Let's look at an Example:

**Initial Prompt:**"Generate a poem about the beauty of nature."

**Iteration 1:**"Now, take the last two lines of the poem you generated and use them as a starting point to continue the poem. Expand on the theme of nature's beauty."

**Iteration 2:**"Building on the previous lines, create a shift in the tone and focus on the changing seasons in nature. Capture the essence of autumn."

**Iteration 3:**"Using the imagery of autumn, transition into a reflection on the passage of time and the cyclical nature of life. Craft the concluding stanza of the poem."

-In this iterative prompting example, the AI is guided through multiple prompts, with each iteration building upon the previous responses. This process encourages the AI to refine and expand its creative output over multiple steps.

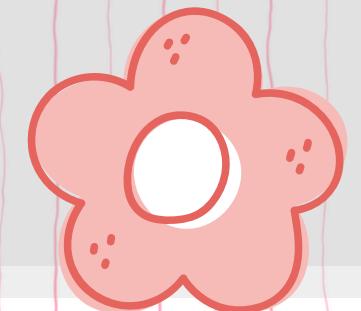
**"It is advisable to primarily use ChatGPT and Gemini tools to address any issues or generate new ideas before turning to specialized tools. If you are unfamiliar with a particular tool, you can also utilize these three tools to gather information about it."**

**Let's try making some prompts...**

**Start trying now....**

# Thank You

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