



Claude 3 AI Chatbot

[Source: TH](#)

Why in News?

Recently, the [Artificial Intelligence \(AI\)](#) start-up Anthropic announced its latest family of AI models called **Claude 3**, stating that it “sets new industry benchmarks across a wide range of cognitive tasks”.

- The family **includes three state-of-the-art AI models** in the ascending order of capabilities – Claude 3 Haiku, Claude 3 Sonnet, and Claude 3 Opus.

Note

- Anthropic is an OpenAI rival started by former leaders at the ChatGPT maker.
- While OpenAI has closely tied itself to its business partner Microsoft, Anthropic's primary **cloud computing partner is Amazon**.

What is Claude 3?

- **About Claude:**
 - Claude is a group of **Large Language Models (LLMs)** developed by Anthropic.
 - LLMs are a specific class of [generative AI](#) models that are trained to understand and generate human-like text.
 - The chatbot is capable of **handling text, voice messages, and documents**.
 - The chatbot is **capable of generating faster**, contextual responses compared to its peers.
- **Training:**
 - Claude sources include the **Internet and some licensed datasets** using two **methods, Supervised Learning (SL) and Reinforcement Learning (RL)**.
 - In the SL phase, the LLM produces responses to prompts, and then **self-assesses them** based on a set of guiding principles.
 - It later revises the responses — and according to its makers, this process is aimed at **reducing the harmful effects of the AI's outputs**.
 - RL phase involves **training the model based on AI-generated feedback**, in which the AI evaluates responses based on a set of constitutional principles.
 - These methods, and the general approach, has been chosen with the aim of making Claude helpful and harmless.
- **Claude 3:**
 - Among the new releases, **Claude 3 Opus** is the most powerful model, Claude 3 Sonnet is the **middle model that is capable and price competitive**, and **Claude 3 Haiku is relevant for any use case** that requires instant responses.
 - Claude Sonnet powers the Claude.ai chatbot for free at present and users only need an email sign-in.
 - However, Opus is only available through Anthropic's web chat interface and if a

user is subscribed to the Claude Pro service on the Anthropic website.

▪ **Limitations of Claude 3:**

- Claude 3 performs well in tasks such as answering factual questions and optical character recognition (OCR), meaning the ability to extract text from images.
 - Reportedly, the new model is good at following instructions and completing tasks like writing Shakespearean sonnets.
- However, it **struggles with complex reasoning and mathematical problems** at times. It also **exhibited biases in its responses**, such as favouring a certain racial group over others.

Read More: [Large Language Models \(LLMs\)](#), [ChatGPT Chatbot](#), [Ethical Implications of AI](#)

UPSC Civil Services Examination, Previous Year Questions (PYQs)

Prelims

Q. With the present state of development, Artificial Intelligence can effectively do which of the following? (2020)

1. Bring down electricity consumption in industrial units
2. Create meaningful short stories and songs
3. Disease diagnosis
4. Text-to-Speech Conversion
5. Wireless transmission of electrical energy

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 5 only
(b) 1, 3 and 4 only
(c) 2, 4 and 5 only
(d) 1, 2, 3, 4 and 5

Ans: (b)

PDF Reference URL: <https://www.drishtiias.com/printpdf/claude-3-ai-chatbot>