Assignment 1 - LLM Comparison

This comparison is based on my personal understanding during my college years

(1) **GPT-4/GPT-4o**

Rank:- 1

Advantages:-

Provides accurate answers in most cases.

Helps to understand programming logic.

Useful for many purposes, like learning programming logic and problem-solving.

Disadvantages:-

Most of the features are not free.

require an internet connection.

sometimes its take more time than usual.

Comfort level:- intermediate

justification:-

I ranked **GPT-4** first because I found it the most helpful while learning coding and AI concepts.

(2) **Claude**

Rank:- 2

Advantages:-

Explains topics in a simple way.

Good for reading-based content.

Responses are easy to understand

Disadvantages:-

Coding help is limited compared to GPT.

Fewer tools and features are available.

Not commonly used by students.

Comfort level:- Beginner

justification:-

I ranked **Claude** second because it is good for explanations, but not very strong for programming practice.

(3) **Gemini (GOOGLE)**

Rank:- 3

Advantages:-

Work well within the Google ecosystem.

Provides quick responses.

Helpful for general knowledge.

Disadvantages:-

Technical answers can be unclear.

Coding support is average.

Not for complex problems.

Comfort level:- Beginner

justification:-

I ranked **Gemini** third because it is useful for general inquiries, but not for advanced AI or coding tasks.

(4) **LLaMA (Meta)**

Rank:- 4

Advantages:-

Open-source model.

Useful for research.

Customized by the developers.

Disadvantages:-

Difficult to set up.

Not suitable for beginners.

Required good hardware.

Comfort level:- No hands-on

justification:-

I ranked **LLaMA (Meta)** fourth because, although it is powerful, I do not have practical experience using it directly

(5) **Mistral**

Rank:- 5

Advantages:-

Lightweight model.

Faster than many large models.

Open-source availability.

Disadvantages:-

Limited accuracy.

Not suitable for complex applications.

Less learning material is available.

Comfort level:- No hands-on

justification:-

I ranked **Mistral** last because I have only studied it theoretically and found it limited compared to other models.