**Anthropic (Claude)**: Claude 2, 2.1, 3 Haiku, 3 Sonnet, 3 Opus, 3.5 Sonnet, 3.7 Sonnet, 4 Sonnet, 4 Opus, Instant

**Google (Gemini)**: Gemini 2 Flash, 2 Flash Lite, Pro 1.5

**OpenAI (GPT)**: GPT-3.5 Turbo, Turbo 16k, GPT-4, 4-32k, 4 Turbo, 4.1, 4.1 Mini, 4.1 Nano, 4o, 4o Mini

**OpenAI o-series**: o1, o3, o3 Mini, o3 Mini High, o4 Mini, o4 Mini High

**Meta (Llama)**: Llama 4 Maverick, Llama 4 Scout, Llama 3.2 405B, 90B Vision, 11B Vision, 3B, 1B

**Mistral**: Mistral 7B, Mistral 8×7B, Mistral Large

**AWS Bedrock (Nova)**: Nova Premier, Nova Pro, Nova Lite, Nova Micro

**AWS Titan (Chat)**: Titan G1 Express, Titan G1 Lite  
  
  
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## **2) Strongest Models**

* Reasoning / Analysis: o3, Claude 4 Opus, GPT-4.1, Mistral Large
* Conversational / Empathic tone: Claude 3.7 Sonnet, GPT-4o, Gemini 2 Flash
* Coding & Dev support: GPT-4.1, Claude 4 Sonnet, o3 Mini, Mistral Large
* Large context / Document QA: Gemini Pro 1.5 (2M tokens), GPT-4.1 (1M), Claude 3.7 Sonnet (200k)
* Fast + Low cost: Gemini 2 Flash / Flash Lite, Nova Micro, GPT-3.5 Turbo 16k, Mistral 7B
* Creative / Motivational writing: Claude 3.7 Sonnet, Claude 3 Opus, o1

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## **3) Best Fit for *Empathic AI Chatbot* (Emotional / Cognitive / Motivational):**

1. Baseline model for interaction:

Gemini 2 Flash – fast, cheap, great for user-facing chat and empathy tone.

Claude 3.7 Sonnet – warm, reflective, natural for motivational/emotional modes.

1. For cognitive empathy (reasoning):

o3 or Claude 4 Opus – strongest at multi-step reasoning, analysis, perspective-taking.

1. For motivational support (uplifting style):

Claude 3.7 Sonnet – natural encouragement, formal/poetic tone.

1. Fallback / balanced all-rounder:

GPT-4o – multimodal, conversational, good compromise across all three personas.

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For our empathic chatbot, I’d frame it as:

* Gemini 2 Flash or Claude 3.7 Sonnet – frontline interaction
* o3 / Claude 4 Opus – deep reasoning fallback
* GPT-4o – balanced middle ground if we want one single model

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### **Emotional Empathy (warmth, conversational flow, natural tone)**

1. **Claude 3.7 Sonnet** – Best for natural, reflective, human-like warmth.
2. **GPT-4o** – Strong multimodal, conversational flow; great for real-time empathy.
3. **Gemini 2 Flash** – Fast, affordable, responsive for lightweight supportive chats.

**Cognitive Empathy (perspective-taking, deep reasoning, logic)**

1. **o3** – Advanced multi-step reasoning and logical perspective-taking.
2. **Claude 4 Opus** – Strongest Anthropic model for nuanced, long-context reasoning.
3. **Gemini Pro 1.5** – Excellent analytical reasoning + huge 2M-token context.

### **Motivational Empathy (encouragement, uplifting style, positive framing)**

1. **Claude 3.7 Sonnet** – Excels at uplifting, encouraging language.
2. **GPT-4o** – Adaptive tone, versatile for motivational dialogue.
3. **Nova Pro** – Multimodal + structured responses, great for persuasive/motivational use cases.

