

AI-Driven Development - 30-Day Challenge

Task 3 - Submission

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Class: Friday 6:00 PM - 9:00 PM

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PART A - Research Questions

1. What new improvements were introduced in Gemini 3.0?

Gemini 3.0 is faster and smarter than before. It has better reasoning skills and can handle longer conversations. The model understands complex questions better and gives more accurate answers.

2. How does Gemini 3.0 improve coding & automation workflows?

It helps developers by suggesting code, finding errors, and automating repetitive tasks. You can give natural language commands and it will generate code for you, making development faster.

3. How does Gemini 3.0 improve multimodal understanding?

It can better understand different types of content together - like text, images, and audio. For example, you can show it a picture and ask questions about it, and it will give accurate answers.

4. Name any two developer tools introduced with Gemini 3.0.

- Gemini Code Assist (helps with writing and debugging code)
- Gemini CLI (command line tool for developers)



PART B - Practical Task

Task: Update Gemini 3.0 model using Gemini CLI

Apply for gemini-cli

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1. Ask questions, edit files, or run commands.
2. Be specific for the best results.
3. /help for more information.
> /model update gemini-3.0

Gemini CLI update available! 0.16.0 -> 0.17.0
Installed with gpm. Attempting to automatically update now...

Update successful! The new version will be used on your next run.

Select Model
Gemini 3 is now available.
To use Gemini 3, enable "Preview features" in /settings.
Learn more at https://goo.gle/enable-preview-features

• 1. Auto
  Let the system choose the best model for your task.
2. Pro (gemini-2.5-pro)
  For complex tasks that require deep reasoning and creativity
3. Flash (gemini-2.5-flash)
  For tasks that need a balance of speed and reasoning
4. Flash-lite (gemini-2.5-flash-lite)
  For simple tasks that need to be done quickly

To use a specific Gemini model on startup, use the --model flag.
(Press Esc to close)
```



GitHub Repository

<https://github.com/nida1khurram/30-days-challenge>