How to play with AI agents:

Get Google Pro membership for students for free: https://gemini.google/students/

1: Go to Google AI STUDIO and prompt your way to it.

Google AI Studio in 26 Minutes (Most Comprehensive)

This "CliffsNotes" style guide by Tina Huang is perfect for anyone wanting a deep dive into the platform's capabilities.

- **Prompt Engineering Framework:** Learn the "Tiny Crabs Right Enormous Iguanas" framework (Task, Context, Resources, Evaluate, Iterate) to write better prompts.
- **System Instructions:** Understand how to set a persona and permanent rules for the AI's behavior.
- **Stream Real-Time:** See a mind-blowing demo of Gemini interacting with a live screen share to help with Photoshop tasks or analyze live video.
- **Fine-Tuning:** Learn how to train a model on your own specific data (like legal documents or medical notes) without writing code.
- **Watch here:** Google AI Studio In 26 Minutes

2: Download Google Antigravity IDE for free and set up on your computer for bigger coding projects

Setting Up Google Antigravity IDE (Local Installation)

Google Antigravity is a modified version of VS Code designed for autonomous AI agents. It is currently in public preview and free to use.

1. **Download:** Visit the official site at antigravity.google and download the version for your OS (Windows, macOS, or Linux).
2. **Installation:** Run the installer. During setup, you can choose to import your existing VS Code or Cursor settings to feel right at home
3. **Sign In:** Connect your Google account to access the "generous" free quota for models like Gemini 3 Pro .
4. **Agent Manager:** Unlike standard editors, Antigravity features a "Manager" view where you can oversee multiple AI agents working on different parts of your project simultaneously .
5. **Browser Integration:** It includes a built-in browser that the AI agent can use to test your UI, click buttons, and debug errors in real-time

3: As students i would recommend you all to save your assignments in Github as a rule. It is free and can save all your important files and be a show case for your future employers what work you have done, no matter the subject.

Setting up GitHub on Google Antigravity IDE is very similar to the workflow in VS Code, as Antigravity is built on the same foundation but optimized for AI agents.

How to Connect GitHub to Google Antigravity IDE

1. **Open Source Control:** In the left-hand sidebar of Antigravity, click on the **Source Control icon** (the one that looks like a branching path).
2. **Initialize or Publish:** * If you have a new project, click **"Publish to GitHub"** [01:06].
    - If you want to clone an existing repo, use the Command Palette (`Ctrl+Shift+P` or `Cmd+Shift+P`) and type **"Git: Clone"**.
3. **Authentication & One-Time Code:** * Antigravity will prompt you to sign in to GitHub.
    - A browser window will open asking for a **one-time verification code** [01:17].
    - You may also receive a security email from Google/GitHub to confirm the link [01:55]. Enter the code provided in your email into the IDE.
4. **Choose Repository Privacy:** Once authenticated, the IDE will ask if you want to publish the repository as **Public** or **Private**. Select your preference [02:18].
5. **Verify on GitHub:** After the progress bar finishes, you can visit your GitHub profile to see that both your frontend and backend code have been successfully uploaded [03:01].

AI-First Git Tip

Because Antigravity is an "agentic" IDE, you can ask the AI agent to handle the Git workflow for you. You can simply type into the chat:

> *"Initialize a git repo and push this project to a new private GitHub repository named [Your-Project-Name]."*

The agent will then attempt to run the terminal commands and handle the file staging for you, though you will still need to perform the one-time authentication step in step 3.

Video Tutorial: Deploying to GitHub From Antigravity This short video shows the exact authentication and publishing process within the Antigravity interface.

4: Last but not the least: If you want to make a pretty website for a business or side project. You can do it with HTML but those are old school and most impressive websites are in REACT.

So to set up your computer you need node . js installation. To install Node.js on your computer, you should download the **Long-Term Support (LTS)** version from the official website, as it is the most stable for most users.

Node.js Installation Guide (Windows & Mac)

1. Download the Installer

- Go to **nodejs.org** [00:46].
- Click on the button labeled **"LTS"** (Long Term Support) to download the installer for your operating system [01:20].

2. Run the Installation (Windows)

- Open the downloaded .msi file.
- **Feature Selection:** Ensure the "Add to PATH" option is selected; this allows you to run node commands from your terminal [06:35].
- **Native Modules:** It is recommended to check the box to "Automatically install the necessary tools" (like Python and Visual Studio Build Tools). This helps when you need to compile complex packages later [06:52].
- **Finish:** A PowerShell window may open to finish installing these extra tools. This can take 5–10 minutes [08:08].

3. Run the Installation (Mac)

- Open the .pkg file and follow the prompts [02:24].
- The installer will place Node and **npm** (Node Package Manager) in your /usr/local/bin folder [03:10].
- Ensure this path is registered in your system paths to use the commands globally [03:44].

4. Verify the Installation Open your **Terminal** (Mac) or **Command Prompt** (Windows) and type the following commands:

- node -v — This should return the version number (e.g., v20.16.0) [04:15].
- npm -v — This confirms the package manager is also working [04:24].

5. Test with a Command You can enter the Node environment directly by typing node and pressing Enter. Try typing 2 + 2 or console.log("Hello World") to see it execute JavaScript code right in your terminal [04:41].

Watch the full tutorial here: How to Install Node.js in 2026! (Mac & Windows)

> These are the hardest parts to set up on your computer but once your computer is set up. You are already in the top 25% of people who save all their work to demonstrate for future employers and in one year of daily saves, your Github will be legendary.