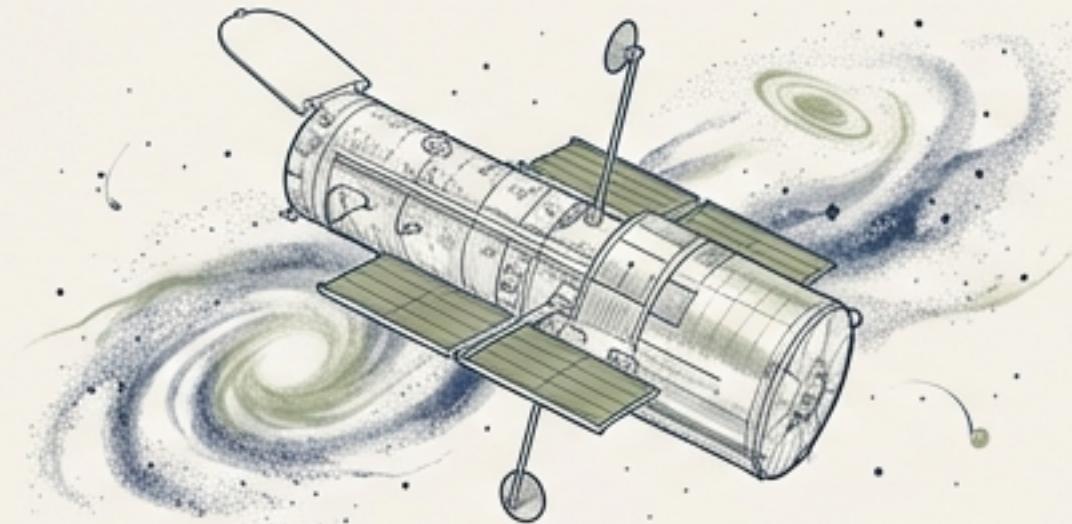


The Power of an Instruction

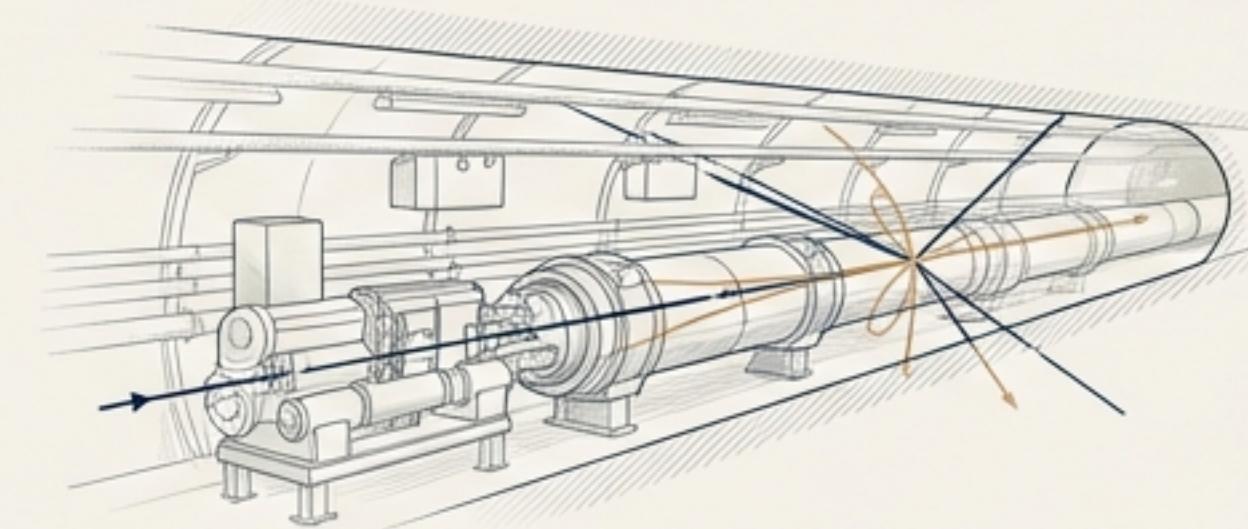
How Programming Unlocks Human Potential and Commands the Future of AI.



From the Cosmos to Your Calendar



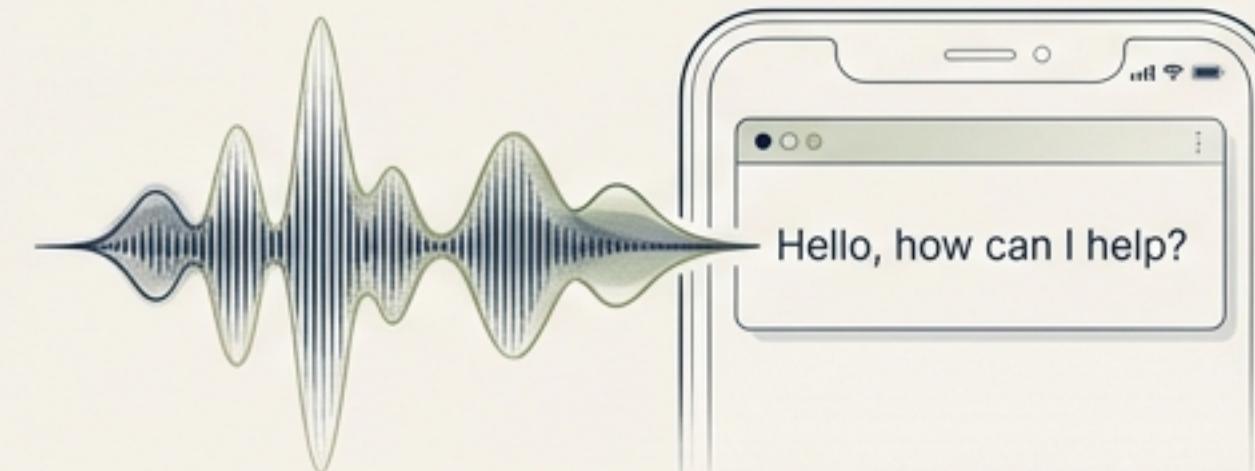
Unveiling the universe's mysteries through processed and analyzed images.



Powering breakthroughs like the Higgs boson discovery by analyzing massive data sets.



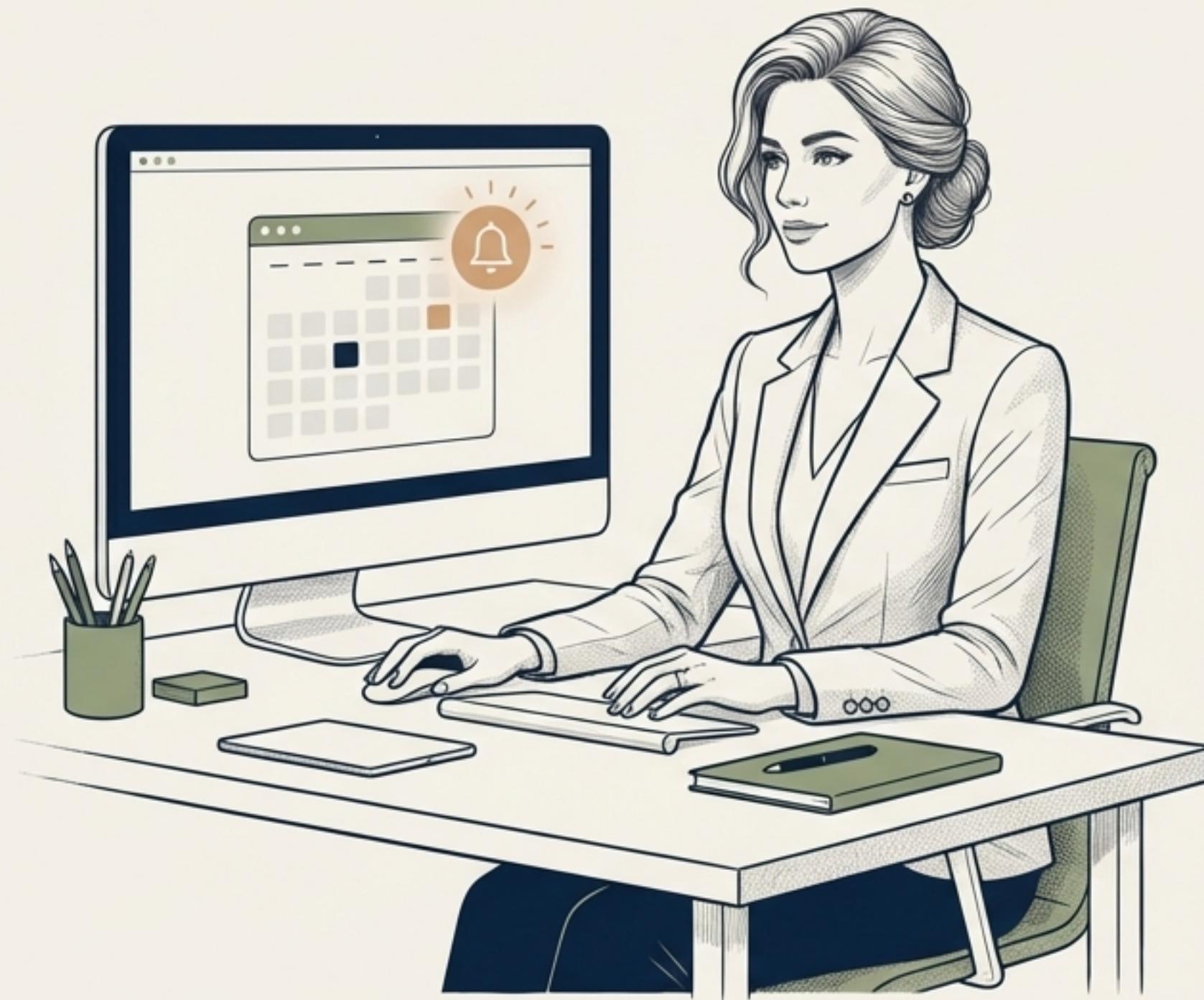
Navigating our daily lives, all entirely dependent on computer programs.



Enhancing human capability for people with disabilities.

All of these achievements are powered by one fundamental skill: people writing code.

Programming is a Personal Superpower.



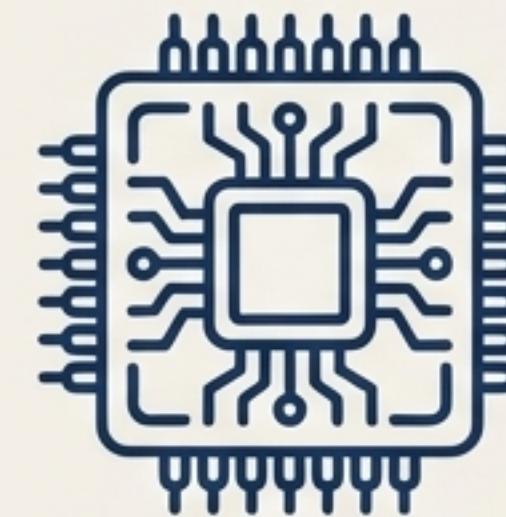
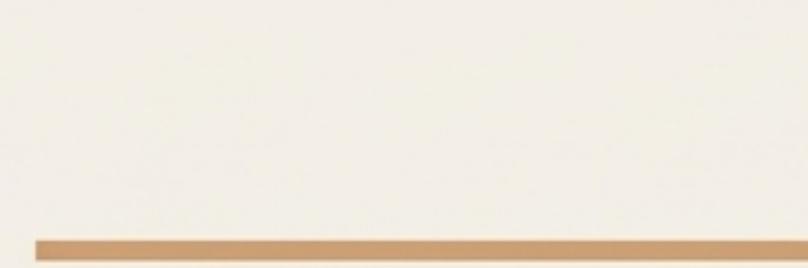
A compelling story from an executive assistant: she took the initiative to learn coding and developed a small program to monitor her executive's calendar. If any unusual changes occurred, she'd receive an instant notification.

**"This made her job
significantly more efficient."**

In nearly every profession, the ability to tell computers what you want them to do will enable you to accomplish much more.

What Is Programming?

The art and the science of crafting highly precise instructions that direct a computer to execute a desired task.



Think of It As a Recipe for Your Computer.



Classic Cake

Ingredients

- Flour, Sugar, Eggs...

Method

1. Preheat oven to 350°F.
2. Mix dry ingredients.
3. Bake for 30 minutes.



Data Report Program

Inputs

- sales_data.csv, user_list.csv...

Steps

1. get_data_files()
2. process_data()
3. generate_report()

A recipe provides step-by-step guidance to consistently achieve a delicious meal. A **program** provides the computer with steps to achieve a specific computational outcome.

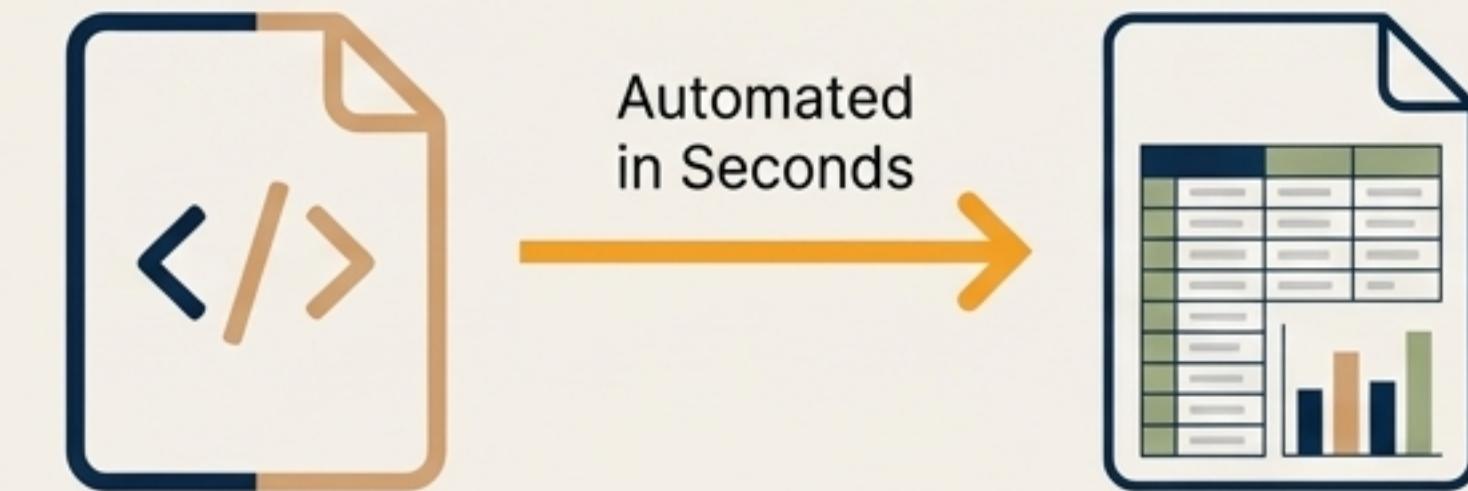
From Repetitive Tasks to Powerful Insights

BEFORE



Manually extracting specific data points
from multiple PDF documents.

AFTER

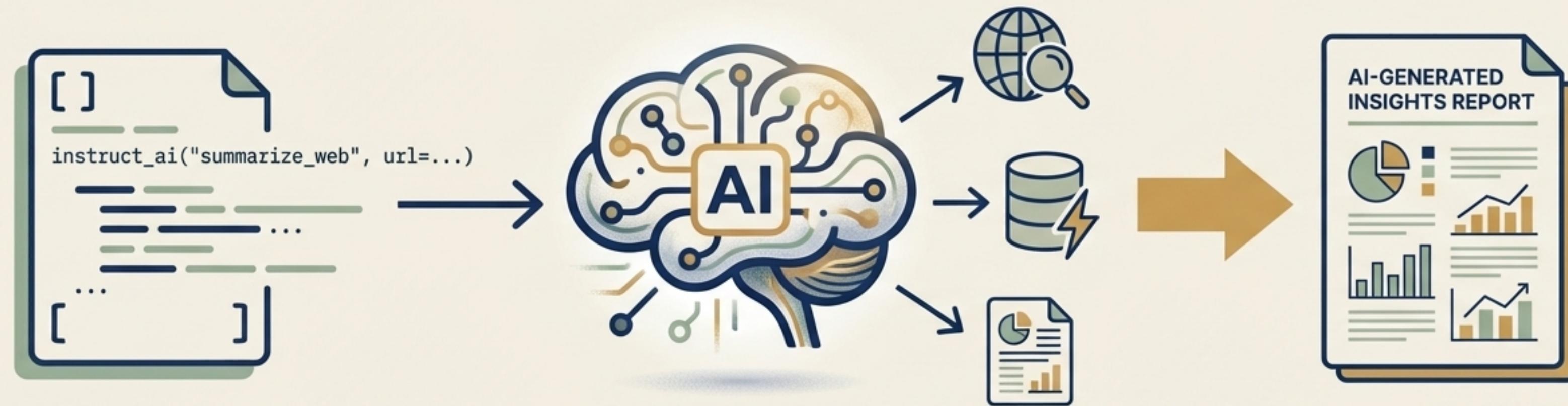


Automatically extracting and organizing
that data into a spreadsheet.

Being able to program gives you a crucial competitive advantage.

The Next Step: Instructing AI.

Beyond analyzing existing data, programming helps you generate entirely new insights. It's how you command AI tools like ChatGPT to perform complex tasks.



**With just a few lines of code, your computer
can now use AI to help it execute tasks.**

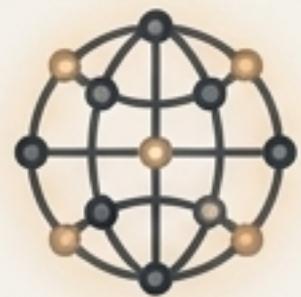
Why Python?

Your Language for Efficiency and AI Command.



You're Joining a Global Community.

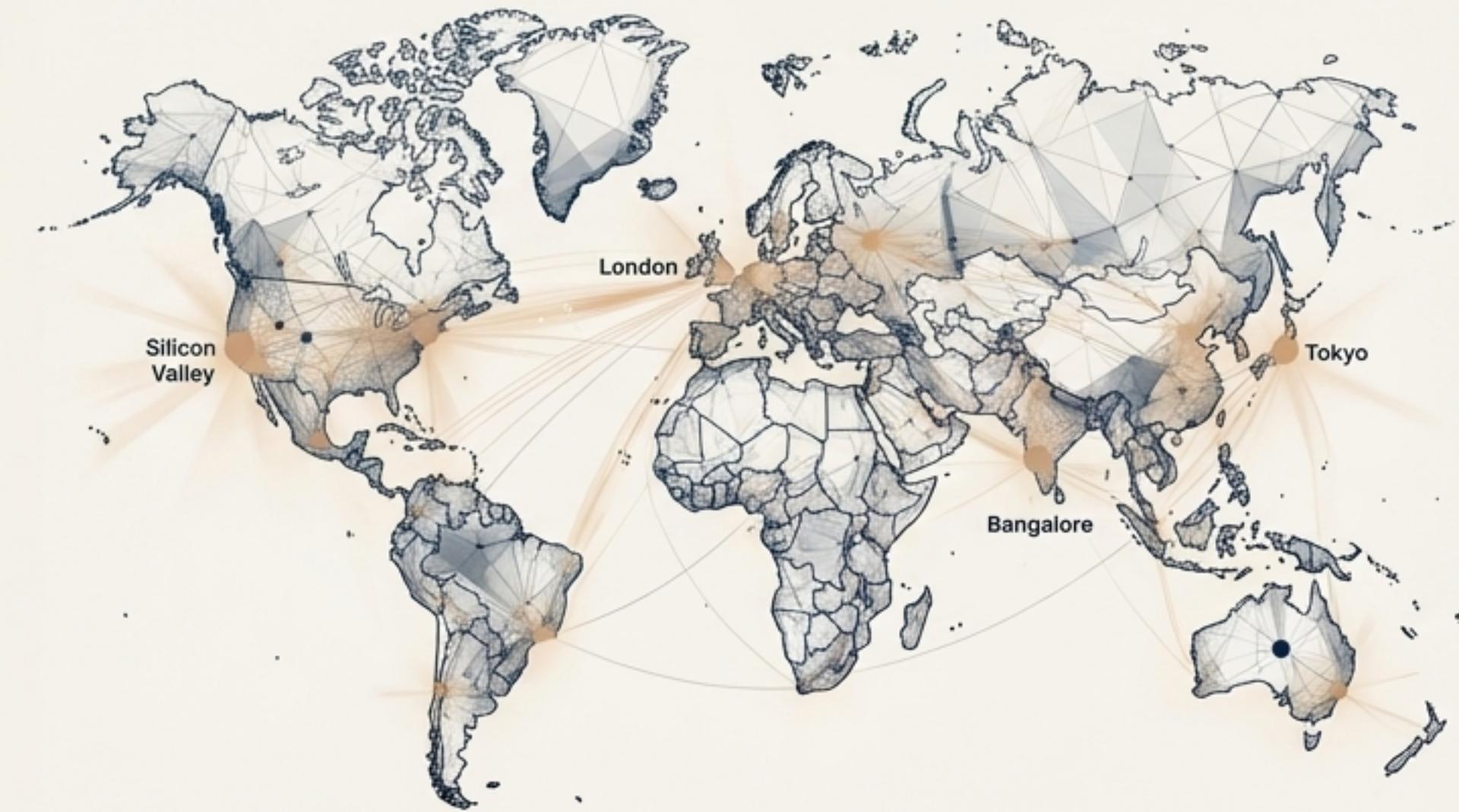
The #1 Most Popular Programming Language Globally.



An incredibly supportive global community.

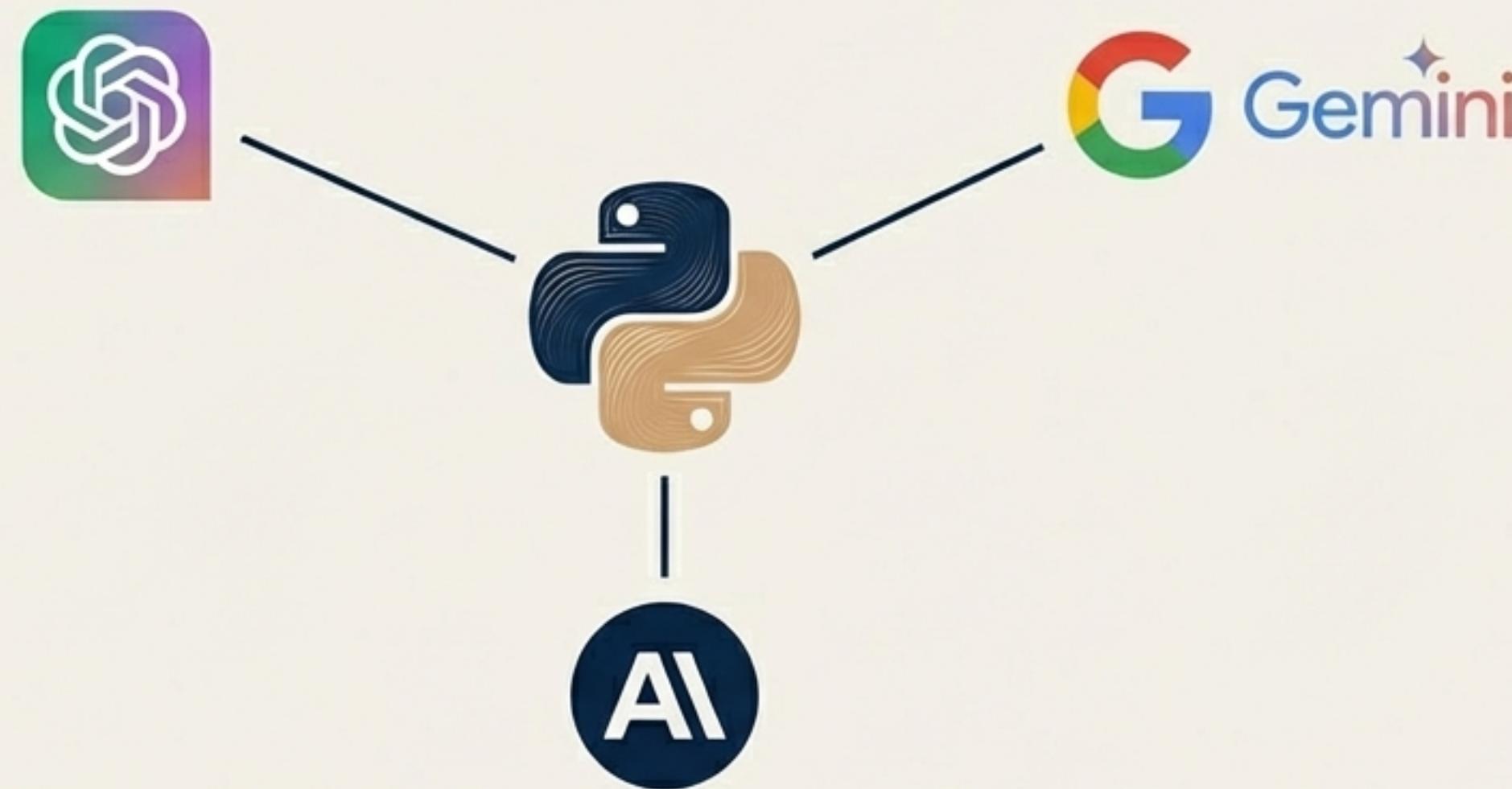


If you encounter a problem, countless developers can offer help or have already documented a solution.



The Native Language of AI.

Most AI developers rely on Python constantly.



Modern AI chatbots are highly proficient in Python, making them excellent coding companions that can assist you when you get stuck on your learning journey.

Powering the Technology You Use Every Day



Self-Driving Cars



Chatbots & Virtual Assistants



Financial Services



Healthcare

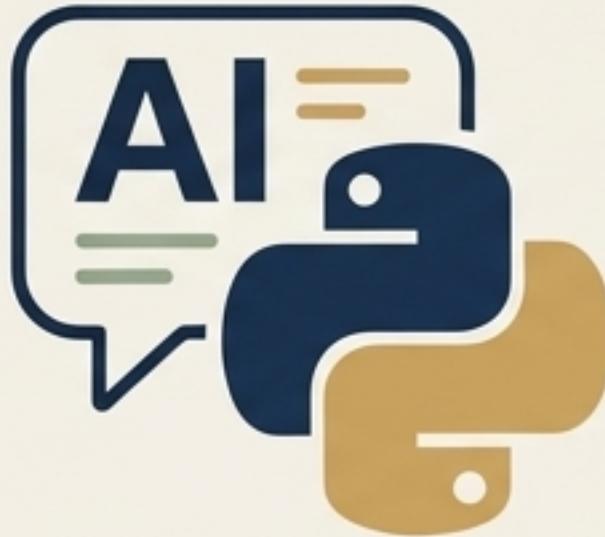


Websites & Apps



Video Games

Mastering a Critical, All-Purpose Tool



1. Global Leader

The most popular and supported programming language in the world.

2. AI-Ready

The standard for AI development and the native language of AI assistants.

3. Universally Applied

The engine behind everything from web development and financial services to healthcare and scientific research.

Your Journey Starts Here.

Learning Python is the first step to expanding your skills and commanding the technology of the future.

Next up: See how chatbots and Python work together.

