Understanding AI

A practical guide to understanding the basics of AI and why it will change the world. by Tarquinn Curry

AI Innovator

AI Consultant for schools, businesses and students.

Website:

Quinnsight.org

Quinnsight.org is an AI education and consulting site led by educator Tarquinn Curry. It offers AI solutions for schools and businesses (automation, chatbots, voice agents, PD), and a prompt library and resource guides for parents, teachers, and creatives, with links to tutorials and sign-ups.

On The LBUSD District AI Task Force

On The State of California AI Task Force

AI's Impact on the Workforce

Artificial intelligence is rapidly reshaping the global job market, creating both challenges and opportunities. Understanding these shifts is crucial for adapting to the future of work.

AI & Job Market Trends

30%
Job Automation

Potential for U.S. jobs to be automated by 2030.

300M
Global Job Loss

Estimated jobs potentially lost worldwide due to AI automation.

50M
Entry-Level Risk

U.S. entry-level jobs at risk in coming years as new hires decline.

2M
Manufacturing Impact

Manufacturing workers in the U.S. that could be replaced by AI by end of 2025.

AI & Small Businesses

50%
Exploring AI

Over half of small businesses exploring AI implementation by mid-2025.

67%
Content Marketing

Small businesses using AI for content marketing and SEO functions.

3.4%
Productivity Boost

Potential addition to annual productivity growth through AI adoption.

13.7%
Workforce Growth

Firms using AI that have increased their workforce size.

While job displacement is a concern, AI also offers significant productivity gains, particularly for small businesses, enabling higher output and new opportunities.

AI & TODAY'S JOB MARKET

🖥️ IBM replaced 200 HR staff with AI agents and plans to automate 30% of non-customer jobs within 5 years.
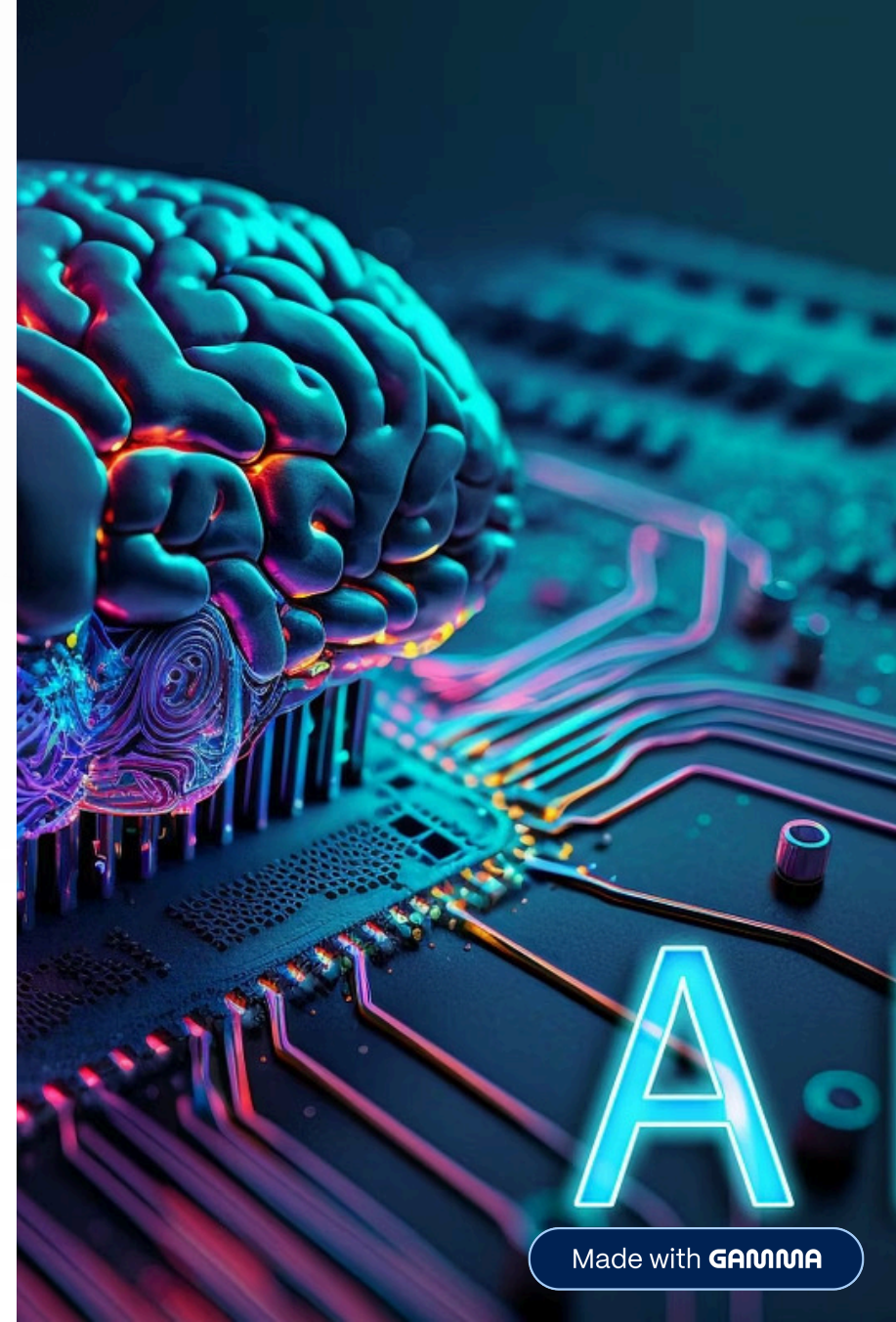
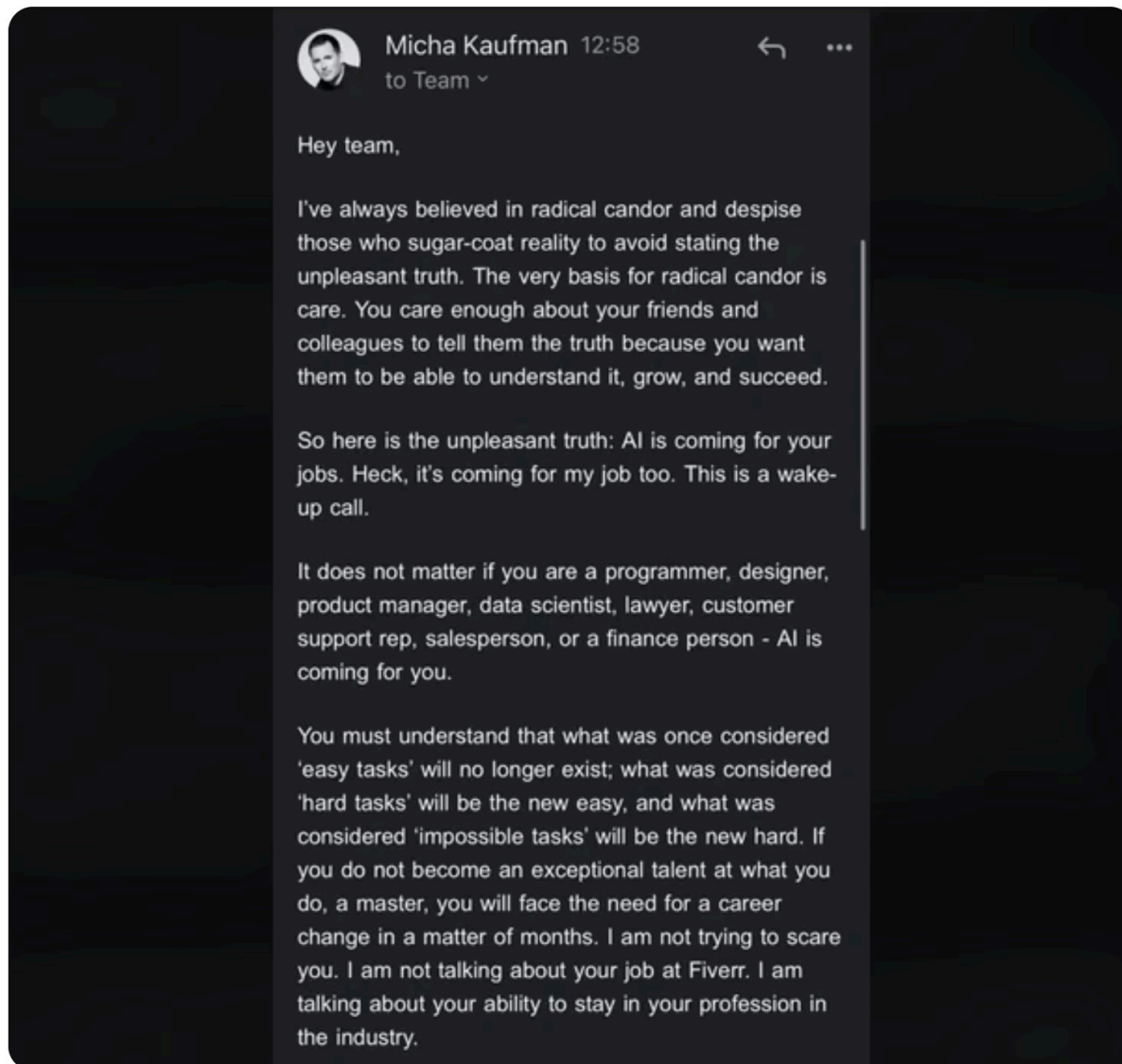👤 Entry-level openings are down 15%. Big-tech CEOs expect more cuts.

🎓 College grads now face higher unemployment than the general population.

🔲 Bottom line: our children must learn to create with AI, not compete against it.

Fiverr CEO to employees: "Here is the unpleasant truth: AI is coming for your jobs. Heck, it's coming for my job too. This is a wake up call."

Micha Kaufman 12:58
to Team

Hey team,

I've always believed in radical candor and despise those who sugar-coat reality to avoid stating the unpleasant truth. The very basis for radical candor is care. You care enough about your friends and colleagues to tell them the truth because you want them to be able to understand it, grow, and succeed.

So here is the unpleasant truth: AI is coming for your jobs. Heck, it's coming for my job too. This is a wake-up call.

It does not matter if you are a programmer, designer, product manager, data scientist, lawyer, customer support rep, salesperson, or a finance person - AI is coming for you.

You must understand that what was once considered 'easy tasks' will no longer exist; what was considered 'hard tasks' will be the new easy, and what was considered 'impossible tasks' will be the new hard. If you do not become an exceptional talent at what you do, a master, you will face the need for a career change in a matter of months. I am not trying to scare you. I am not talking about your job at Fiverr. I am talking about your ability to stay in your profession in the industry.

"AI is coming for your job, heck it's coming for my job too"

YouTube

AI will replace you?

When voice and ai hit scale ... shits gonna get interesting... — Thanks for watching! Join My Discord!: http://www.garyvee.com/discord Check out another series on my channel: Gary...

IS AI GOING TO REPLACE CEOS? #shorts

Is AI going to replace CEOs or just make the existing ones 10 times richer? I think it'll make everybody richer, if they learn how to use the tool. It's a re-education to understand how to use...
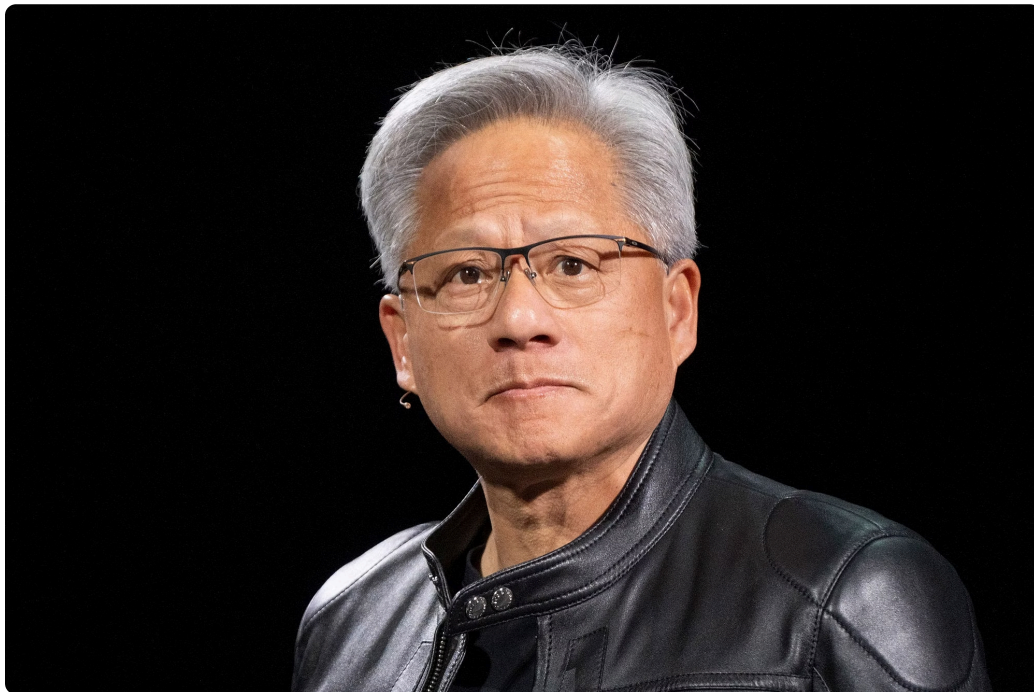
01:27

AND THEN WE'LL

YouTube

Barack Obama Issues Dire Warning Over Artificial Intelligence

President Barack Obama issued a dire warning over artificial intelligence replacing human labor during a speech at Hamilton College over the weekend.

06:33

Ceo of Nvidia—Largest Company in The World

"If you're not using AI, you'll lose your job to someone who is. This much we know for sure. It's not about AI replacing humans. It's about AI augmented humans replacing those who refuse to adapt. The window to position yourself is closing fast"

"Jensen Haung"

Understanding Artificial Intelligence

"I won't take your job, it's somebody using AI that will take your job."

> "I believe AI is going to change the world more than anything in the history of humanity. More than electricity." – Kai-Fu Lee, AI Expert, Chairman & CEO of Sinovation Ventures

What is Artificial Intelligence?

AI stands for Artificial Intelligence. It's like giving computers a brain to think and do tasks.

There are two main types:

Weak AI (does one thing really well)

Strong AI (could do many things like humans)
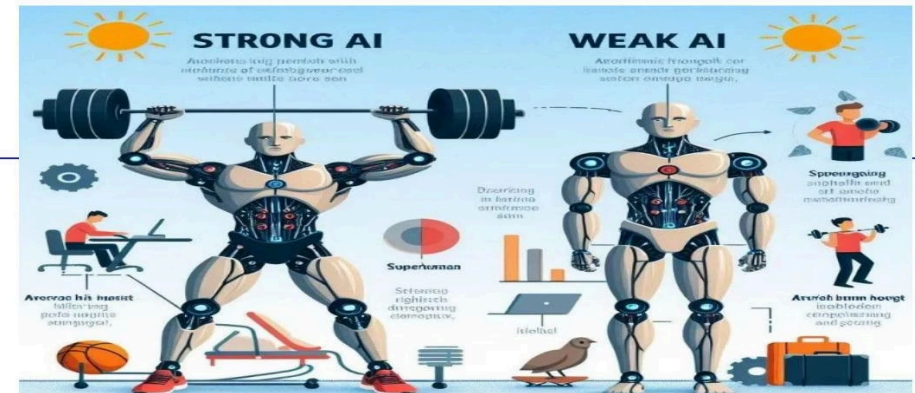
"It has happened before; every technology revolution has led to loss of jobs. But new jobs get created, and there will be many new jobs created as part of this AI revolution." - Raj Mukherjee, Executive Vice President, Indeed

Types of AI: Weak vs. Strong

Weak AI (The Helper Robots)

Weak AI is like a robot that's really good at one job. It's called "narrow" because it focuses on one task. Most AI we see today is weak AI.

Examples:

- Siri: helps you on your phone
- Alexa: answers questions in your home
- Self-driving cars: drive without a person

Strong AI (The Super-Smart Robots)

Strong AI doesn't exist yet - it's just an idea. Scientists are trying to create it. It would be as smart as humans or even smarter.

There are two types scientists think about:

- As smart as humans (AGI)
- Smarter than humans (ASI)

How Computers Learn

Computers can learn in two main ways:

Machine Learning

This is like teaching a computer step-by-step. We give the computer lots of examples. The computer finds patterns and learns from them. It's like teaching a dog to sit by showing it many times.

Deep Learning

This is like the computer teaching itself. We give it lots of information, but not step-by-step instructions. The computer figures out the patterns on its own. It's like a child learning to talk by listening to people.

Both use something called "neural networks" - tiny computer brains that process information.

Large Language Models (LLMs)

What are LLMs?

LLMs are super-smart AI that understand and create human language. They're like giant language experts that can read, write, and chat. LLMs are trained on tons of text from books, websites, and articles. They can answer questions, write stories, and even help with homework!
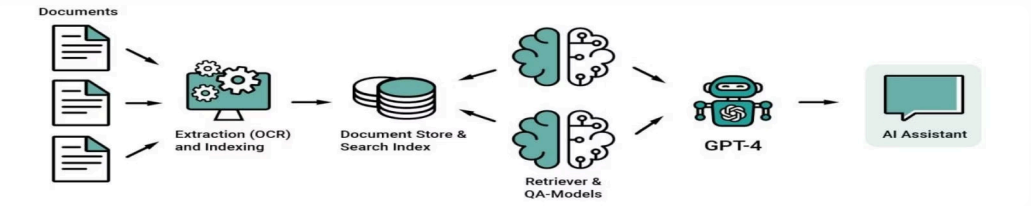
ChatGPT

Made by OpenAI, it's like a smart chatbot

Claude

Made by Anthropic to be helpful and honest

Gemini

Made by Google

Llama

Created by Facebook (Meta) to be shared with researchers

Open Source vs. Closed Source LLMs

Open Source LLMs

- Like Llama and some versions of Mistral
- Their code is shared for anyone to see and use
- Scientists can study and improve them
- Cheaper than closed source

Closed Source LLMs

- Like ChatGPT and Claude
- Their code is secret, like a special recipe
- Only the company that made them can change them

> "I think AI is going to be the greatest force for economic empowerment and a lot of people getting rich we have ever seen." - Sam Altman, CEO of OpenAI

pen-Source LLM:

Cus
Spe
Adap
meet
witho

Advanced AI Concepts

AI as Smart as Humans (AGI)

Artificial General Intelligence would be like a robot that can think like a person. It could:

- Learn new things on its own
- Solve all kinds of problems
- Make plans for the future

Machines + Brain + Emotions = AGI
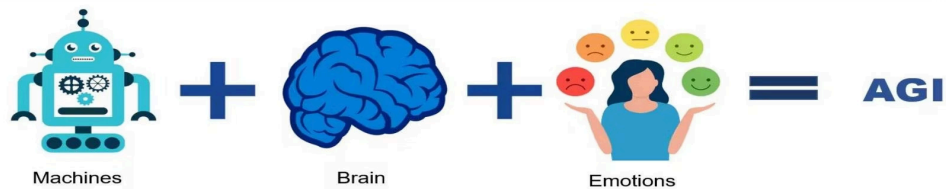
AI Smarter than Humans (ASI)

Artificial Super Intelligence would be even smarter than the smartest person. We only see this in movies and books right now, like the computer HAL in "2001: A Space Odyssey".
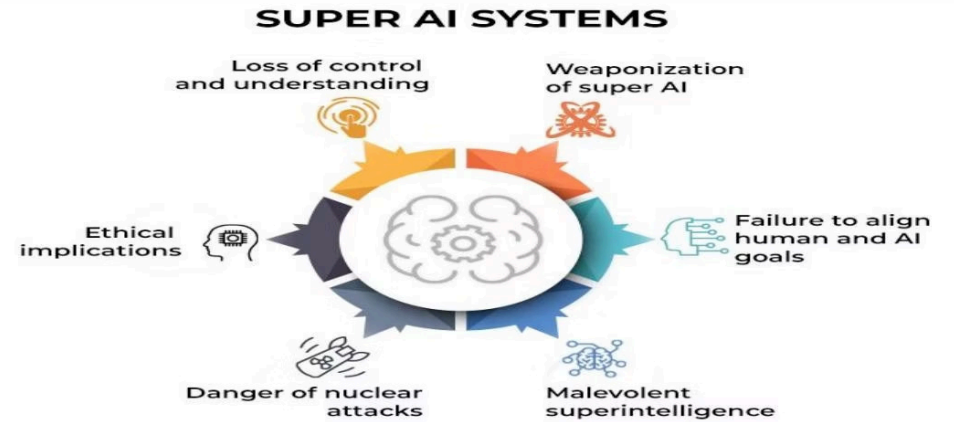
SUPER AI SYSTEMS

Loss of control and understanding
Weaponization of super AI
Ethical implications
Failure to align human and AI goals
Danger of nuclear attacks
Malevolent superintelligence

The Prompting Formula

Who
Who is it for?

What
What should it do?

How
How should it work or be explained?

Style
Fun, serious, fast, simple?

Role
What role should the AI take on?

🎯 Role + Who + What + How + Style = Great Prompt

Example:Act as my patient, enthusiastic science tutor. I'm a seventh-grader who needs to understand photosynthesis for tomorrow's homework. Walk me through the process step by step. Compare each step to something I might see in my kitchen or backyard so it sticks in my head. Keep the language simple and fun. After the explanation, give me three quick practice questions and hide the answers under "Answer:" tags so I can test myself first.

ChatGPT's New "Study" Feature

Turn ChatGPT into a personal tutor.

1
Study mode walks students through any topic step-by-step.

2
Instant homework help with clear explanations.

3
Test-prep drills that adapt to weak spots.

4
"Go Deeper" prompts for research and passion dives.**https://openai.com/chatgpt/overview/**

ⓘ **Tip:** Show parents how to toggle the Study button and set reading-level preferences.

ChatGPT

Build Custom Study Apps (Claude AI or Gemini)

DIY learning tools in minutes.-

Visit Quinnsight.org → App Prompt Generator.

Paste class notes + pick "Flash-Card App" or "Quiz Bot."

Copy the generated prompt into Claude AI or Gemini.

Share the new web-app link with your child's study group.

Callout: No coding required—adjust difficulty by tweaking the prompt.

What is Prompting?

?

What Is Prompting?

Prompting = giving clear instructions to AI so it knows what you want.

If you're too vague, the answer might be confusing or boring.

🧠 Great prompts are like cheat codes to better answers.

The Prompting Formula

Who

Who is it for?

What

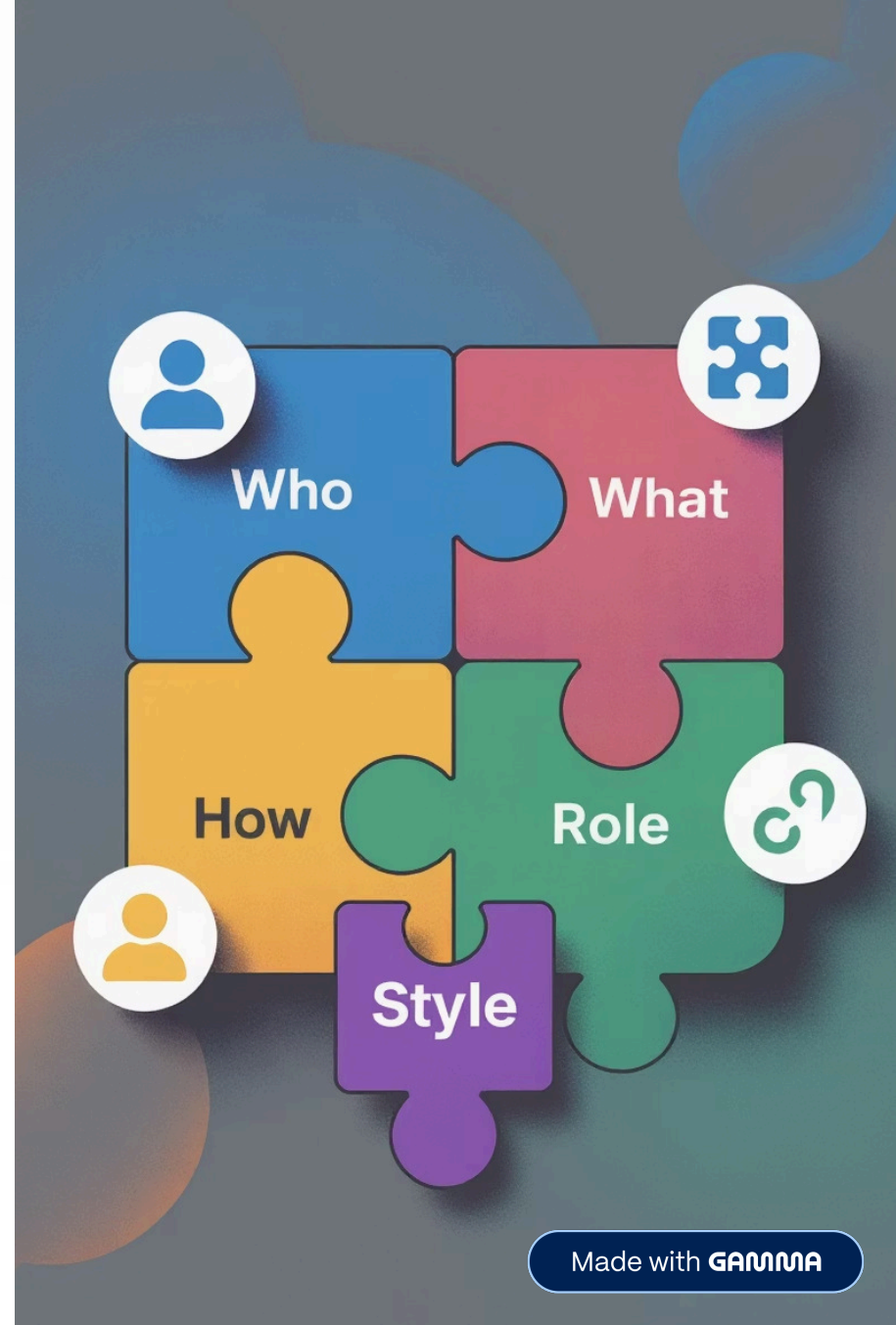What should it do?

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Notebook LM for Audio, Video & Mind Maps
https://notebooklm.google/

Turn notes into media.

Upload a Google Doc or PDF → click "Audio Overview" to create a mini-podcast.

New "Video Overview" summarizes key ideas for visual learners.

Mind Map view helps students connect concepts at a glance.

NotebookLM

Think Smarter, Not Harder

Try NotebookLM

✓ **Family project:** Record the podcast together and post it to a private Drive folder.

Marketing and lead gen

1. **Founder Storycast.** Feed in bios, press clippings, and old posts. Generate a "meet the founder" episode that humanizes your brand.
   Prompt: *"Hosts, tell my origin story and connect it to our mission and today's offer."*
2. **Local SEO "What to know before you buy."** Use your FAQs plus neighborhood guides to make a buyer's guide for your city.
   Prompt: *"Keep it hyperlocal. Name nearby landmarks and common pain points."*
3. **Mini-series from a whitepaper.** Slice a long PDF into 3–5 episodes that each end with a CTA.
   Prompt: *"Summarize Part 1 for beginners. End with a clear next step and a trackable URL."*
4. **Event recaps.** Upload slide decks and agenda notes to produce a recap episode within an hour of your event.
   Prompt: *"Hosts, recap key takeaways and shout out sponsors and attendees."*
5. **"Ask the Expert" from YouTube comments.** Pull questions from your channel's comments and your answers.
   Prompt: *"Alternate common questions with short, actionable answers in plain English."*
6. **Seasonal buyer's guide.** Turn product specs and reviews into a holiday or back-to-school audio guide.
7. **Partnership spotlight.** Combine your materials with a partner's one-pager to co-create a joint episode for both audiences.

Sales enablement

1. **Proposal walkthroughs.** Upload the proposal and SOW. Generate a 6-minute audio tour prospects can share with stakeholders.
   Prompt: *"Explain timeline, deliverables, and risk mitigations. Avoid jargon."*
2. **Competitive explainers.** Use public competitor pages plus your differentiators to create neutral overviews and "why us" closers.
   Prompt: *"Fair comparison first. Then outline 3 situations where we're the best fit."*
3. **Pricing talk-track practice.** Feed in price sheets and common objections to produce a role-play podcast reps can train with.

Customer success and support

1. **Audio onboarding.** Turn your getting-started guide into a 10-minute "first week" episode with steps and success checkpoints.
2. **Feature drop notes.** Upload release notes and a changelog to generate a friendly "what's new" show each month.
3. **Troubleshooting radio.** Take top support tickets and produce a "common fixes" episode with clear warnings and when to contact support.
4. **Accessibility boost.** Offer audio versions of manuals so clients can learn while commuting or working. You can download and share Audio Overviews.
   Google Help

Ops, HR, and training

1. **New-hire culture brief.** Combine your handbook, values, and meeting notes into a culture podcast for week one.
2. **SOP refreshers.** Turn standard operating procedures into short "how we do it here" episodes per team.
3. **Policy updates.** Convert policy changes into a Quick Take episode with what changed, why it matters, and deadlines.

Community and brand

1. **Customer success stories.** Feed in case study notes, before/after metrics, and emails. Produce a narrative episode with quotes.
2. **Behind-the-scenes shop talk.** Use project briefs and BTS photos' captions to narrate how you make the work.
3. **Multilingual reach.** Generate versions in other languages for local communities, then post on WhatsApp/Telegram or your site. NotebookLM supports wide availability and multi-language audio overviews.

Google AI Studio Live Coaching

Screen-aware AI tutor.-**https://aistudio.google.com/prompts/new_chat**

Google AI Studio

**Open Google AI Studio →
start a "Stream" session.**

The model sees your screen, quizzes you, or explains any highlighted section.

Built-in voice library lets kids create multi-voice podcasts on any topic.

⊗ **Safety note:** Pause the stream or mask sensitive windows when needed.

Create Websites & Mini-Apps on Loveable and Claude

From idea to app before dinner. -https://lovable.dev/ https://claude.ai/new
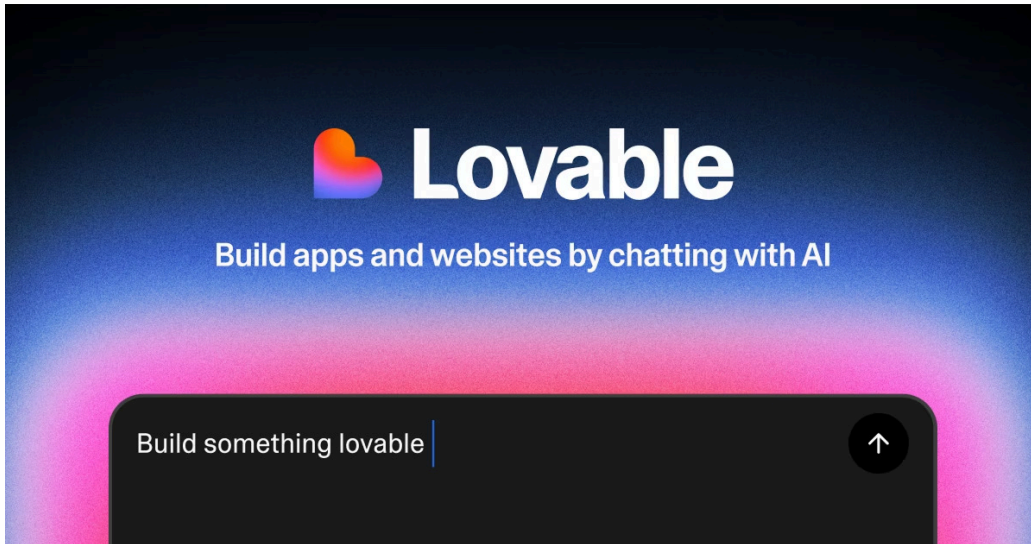
Drag-and-drop interface perfect for beginners.

Templates for digital portfolios, vocabulary games, budget trackers.

Publish with one click; share the link with teachers.

ⓘ **Growth path:** Move from templates to custom HTML/CSS as confidence grows.

Automations: Make, Zapier & N8N

Zapier offers a linear, step-by-step wizard and dropdown interface, which makes setting up basic automations quick and beginner-friendly. It also provides thousands of pre-built templates for popular business tasks, letting you launch workflows even if you've never tried automation before.

Lead Collection & Management
Automatically add new leads from web forms, Facebook Lead Ads, or landing pages to your CRM or Google Sheets. Send an introductory email to new inquiries instantly.

Social Media Posting
Schedule or auto-post new blog articles across all your social channels. Get alerts in Slack or email when there's a brand mention or a relevant hashtag used.

Email Marketing
Send welcome emails to new subscribers in Mailchimp or Constant Contact. Segment contacts automatically based on actions (click, purchase, etc.).

Task/Project Management
Create tasks in Asana or Trello from new client requests or emails. Move completed tasks to another board or notify team members when tasks are updated.

Calendar & Appointment Management
Sync new Calendly appointments with Google Calendar. Send automatic appointment reminders by email or SMS.

Payments & Invoicing
Get notifications when someone purchases a product. Add new sales or invoices to bookkeeping software like QuickBooks.

File Organization
Upload files received from clients to Google Drive or Dropbox. Auto-save email attachments to your preferred storage app.
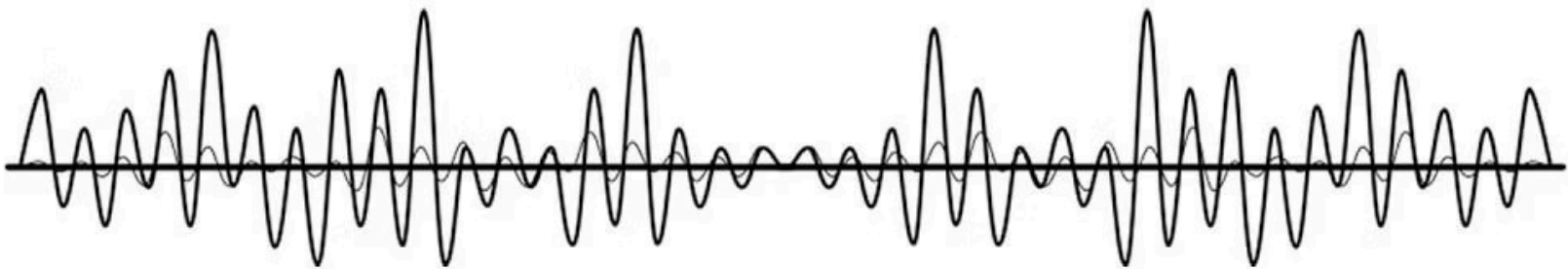
Voice Agents

Vapi is a tool that helps you build smart voice assistants that can talk to your customers on the phone. It can answer questions, book appointments, and handle customer service automatically.

ElevenLabs makes voices sound very real and natural. It creates realistic AI voices that can be used for phone calls, audiobooks, or any spoken content.

Together, Vapi controls the conversation, and ElevenLabs makes the voice sound human-like.

IIElevenLabs

VAPI

AI Voice Agent

Create Advisors for Your Company

Free Team of Advisors

With custom GPTs, you can build a "Virtual Board of Advisors"—an AI trained to think and challenge you like your personal dream team. It's a game-changer for any professional, from entrepreneurs to educators.
Here's how to build one in 15 minutes:
 Choose Your "Board" 🧠
Pick 3-5 experts (real or archetypes) who offer diverse perspectives.

Get free books and PDF's at these 2 websites: **https://oceanofpdf.com/**

Made with GAMMA

The Basics of Perplexity

perplexity — Where Knowledge Begins

Perplexity AI
Perplexity
Perplexity is a free AI-powered answer engine that provides accurate, trusted, and real-time answers...

Perplexity is an AI-powered search assistant that goes beyond traditional LLMs like ChatGPT. It combines advanced language model reasoning with real-time web search capabilities to provide accurate, verifiable information.

AI-Powered Search Assistant
Blends large language model reasoning with real-time web search to provide comprehensive answers.

Conversational Interface
Ask follow-up questions naturally; Perplexity refines results like chatting with an expert researcher.

Spaces and Pages
Save research threads into "Spaces" for collaboration or publish findings as "Pages," doubling as a research and publishing platform.

File + Web Integration
Upload PDFs, documents, or other files and merge them with live web sources for combined querying.

Key Difference: Citations

Unlike many traditional LLMs that can "hallucinate" facts, Perplexity prioritizes transparent sourcing. It cites its sources inline with clickable links, allowing you to easily verify the information. This significantly reduces the risk of incorrect information and makes it invaluable for research, compliance, and professional work where proof and traceability are critical.

Bonus: Discovery & Pain Points

Perplexity offers powerful use cases for small businesses looking to gain competitive insights and understand their market.

Discovery

Use Perplexity to find what's trending in your niche from various sources like Reddit, blogs, or reviews.

**Example:** *"What new coffee trends are people talking about in 2025?"*

Pain Points

Search real user discussions on platforms like Reddit, Quora, or forums to uncover frustrations your target customers have with existing products or services.

Example: *"What do customers dislike most about meal delivery services in Los Angeles?"*

These insights can fuel new offerings, marketing copy, or competitive positioning—all backed by actual user voices, not just guesses.

✅ **In short:** Perplexity is your AI researcher that not only answers but proves it by showing you the sources, while also helping you uncover what your customers really care about.
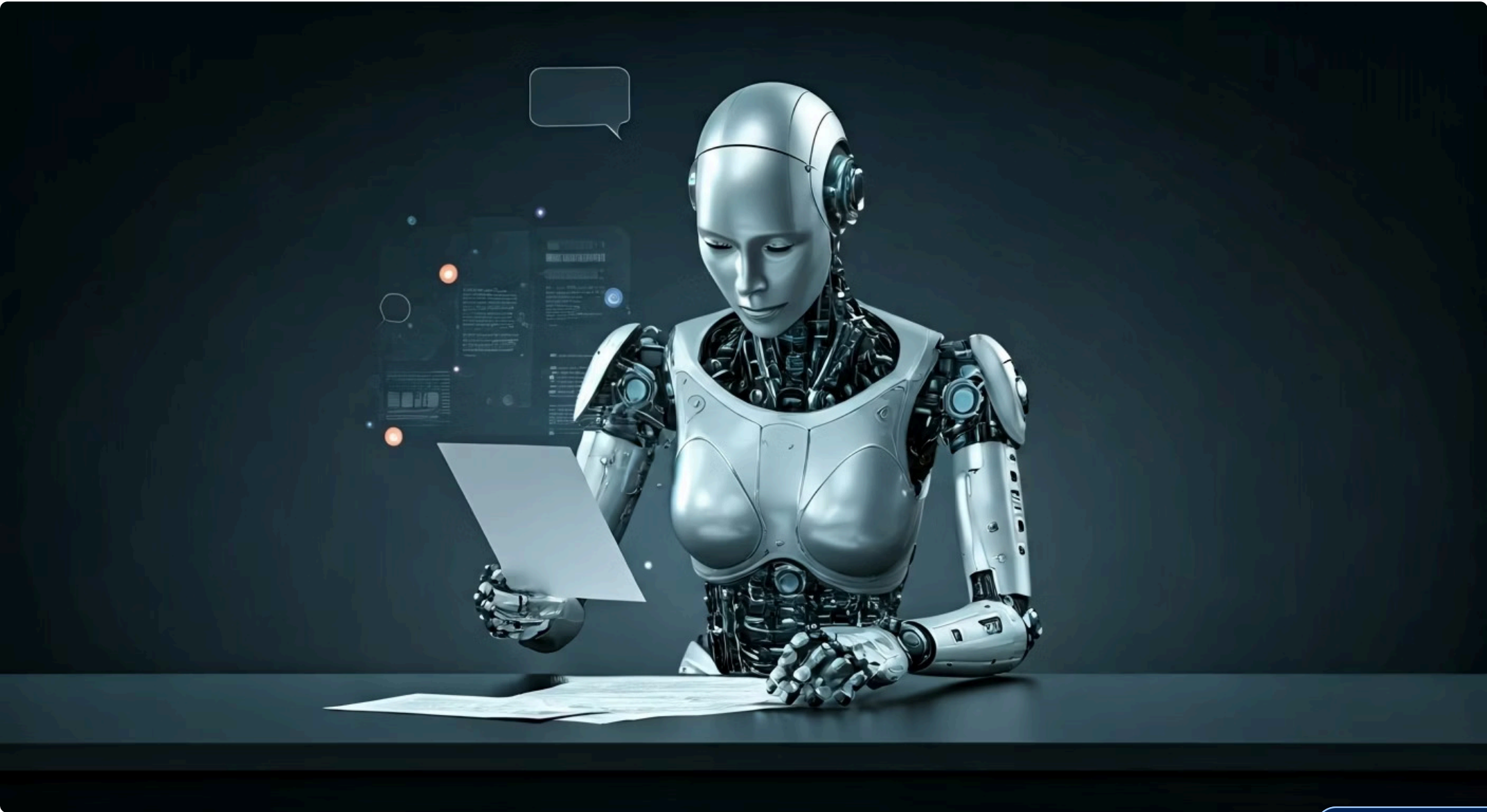
Suno AI: Music at Your Fingertips

Suno | AI Music

Create stunning original music in seconds using AI. Make your own masterpieces, share with friends, and discover music from artists worldwide.

Suno AI is an innovative tool that transforms simple text prompts into complete songs, featuring vocals, lyrics, and instruments. It democratizes music creation, making it fast and accessible for anyone, without the need for a professional studio or musical expertise.

Unlock Creative Audio for Your Business

Custom Jingles

Craft unique and memorable jingles for your brand, instantly elevating your marketing presence.

Background Music

Generate royalty-free background tracks for advertisements, social media videos, and online content.

Store Ambiance

Create tailored soundscapes and background music to enhance the atmosphere in your physical store.

Suno AI provides an affordable and efficient solution for small businesses to produce high-quality audio content for branding and marketing efforts, eliminating the need to hire expensive composers or licensing music.

Quinnsight Prompt Library- https://quinnsight.org/prompt-library

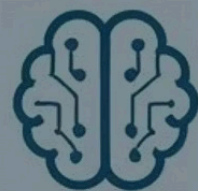**Ready-made prompts for any subject.**

Go to Quinnsight.org → "Prompt Vault."

Browse K-12, college prep, parenting, career-skills categories.

One-click copy into ChatGPT, Claude, Gemini, or Notebook LM.

Quinnsight

Smarter Moves, Powered by AI.

AI Solutions That Work for You — At School, At Work, and Beyond.

GET STARTED

✓ **Parent win:** No more blank-screen anxiety—just paste and learn.

Visual & Audio Boosts with ChatGPT or ideogram ai

Turn answers into media.

Infographics

Type "/image: infographic" + topic → get a downloadable visual in seconds.

Audio Overviews

Switch reply mode to "Voice" → ChatGPT narrates summaries for on-the-go review.

Combine both

Generate an infographic, then ask for a 60-second audio walkthrough.

Perfect for projects, study guides, or social posts.

CHAT GPT
INFOGRAPHICS
AUDIO OVERVIEW

Stay Connected

✉ **Email - quinnsight23@gmail.com**

Website-Quinnsight.org