

Welcome to

Advanced Textiles

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AI for All: Practical Tools to Streamline Your Business

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Demystifying Artificial Intelligence



AI in Everyday Life

Artificial intelligence enhances daily activities like autocomplete, photo tagging, and spam filtering, making life more convenient.

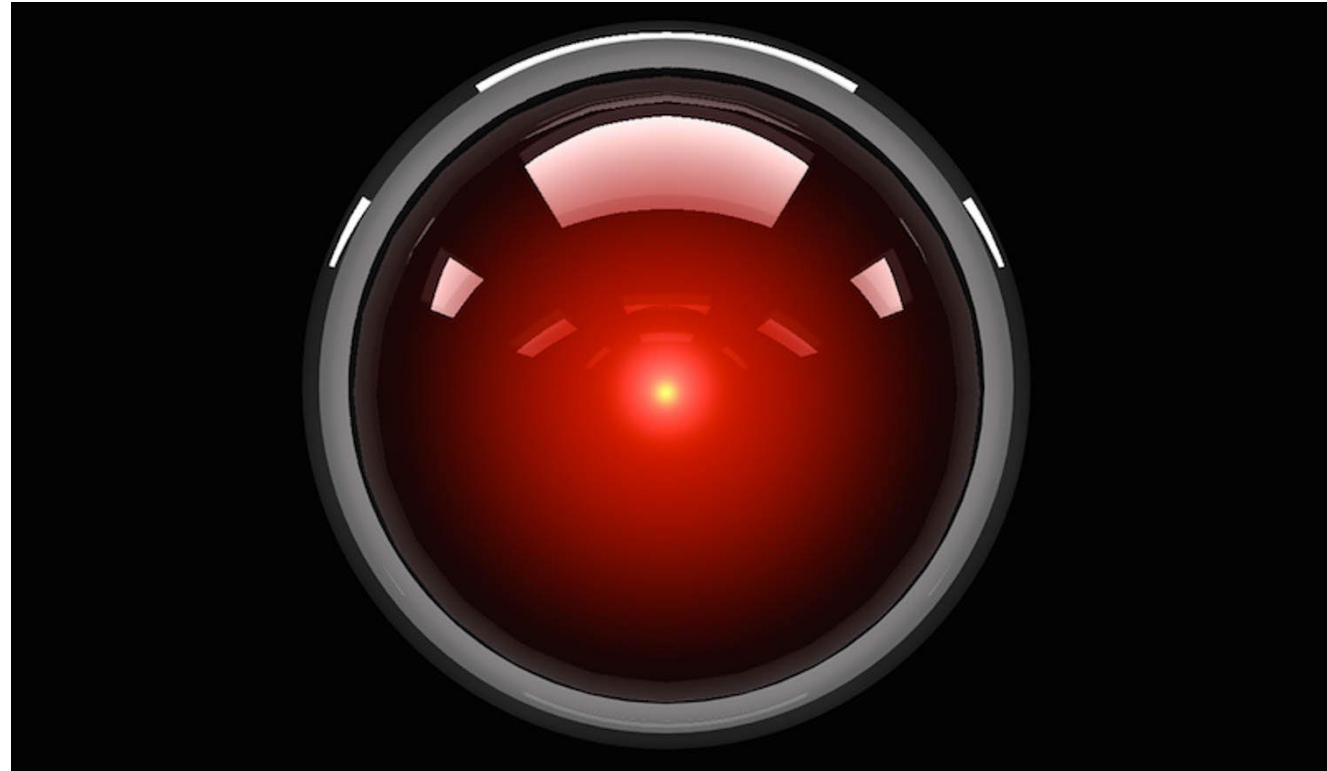
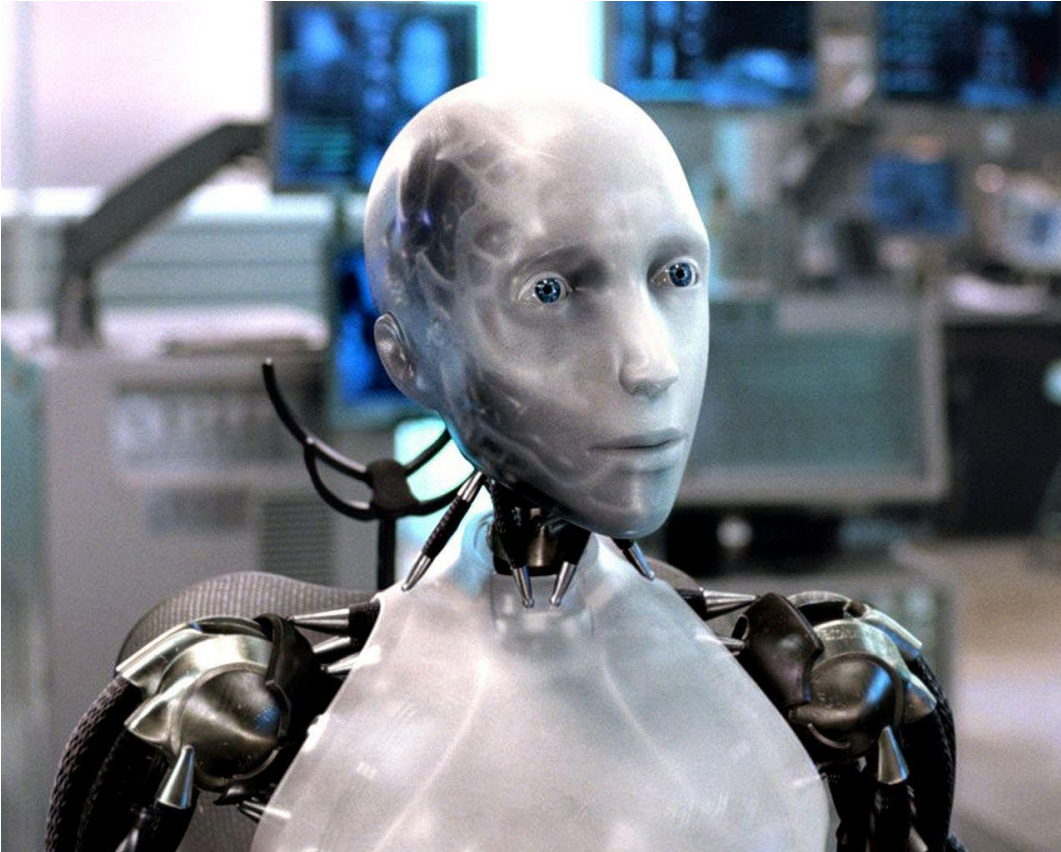
Empowering Human Focus

AI reduces repetitive busywork so humans can focus on creative and meaningful tasks that require unique skills.

Practical and Accessible Solutions

Modern AI tools are affordable and practical, enabling individuals and businesses to benefit from new technologies.

What is Artificial Intelligence?



Large Language Models



- Latest leap in AI Technology
- Examples: ChatGPT, Google Gemini, Claude, DeepSeek, Grok
- Trained on massive data sets
- 10's to 100's of billion of neurons in each model

What has changed?

Ease of Access – AI is now built into tools we already use (Google Workspace, Microsoft 365, Canva, etc.). No coding required.

Lower Costs – What once required expensive systems or data scientists now costs \$20/month or less.

Massive Computing Power – Cloud infrastructure and GPUs made it possible to train and run models with billions of parameters.

User-Friendly Interfaces – Natural language prompts replaced complex commands—if you can text, you can use AI.

Integration Everywhere – APIs and plugins let AI connect to emails, calendars, CAD tools, and CRMs.

Faster Iteration – Each model generation (GPT-3 → GPT-4 → GPT-5) is dramatically better at understanding nuance and following instructions.

Popular AI Tools Today

- **ChatGPT** – General-purpose assistant for writing, analysis, and automation
- **Gemini** – Google's AI built into Gmail, Docs, and Sheets
- **Claude** – Great at summarizing and handling complex documents
- **CoPilot** – Microsoft's AI assistant for Word, Excel, and Outlook
- **Perplexity** – Fast, cited research assistant that blends search and AI chat

Time Is Our Most Valuable Resource

“Entrepreneurs spend 36% of their work week on administrative tasks—like invoicing, data entry, and ordering supplies.”— Time etc survey

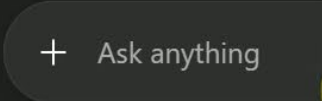


Example 1: Calendar File From Picture

Prompt Text + Image:

make me an ics file to download for google calendar. instead of the events at game time. I want all day events with the game time in the event name. They should all be free not busy. look up game times if you need





Example 2: Basic Terms For Estimate

Prompt:

Take these rough contract terms from my notes and rewrite them so they sound clear and professional for a client. Keep the meaning the same. Add anything else I might be forgetting

40% deposit to order materials and reserve schedule

40% before installation

20% at completion

client provides power + access

weather dependent changes billed hourly

Temporary Chat

This chat won't appear in history, use or update ChatGPT's memory, or be used to train our models. For safety purposes, we may keep a copy of this chat for up to 30 days.

Take these rough contract terms from my notes and rewrite them so they sound clear and professional for a client. Keep the meaning the same. Add anything else I might be forgetting

40% deposit to order materials and reserve schedule

40% before installation

20% at completion

client provides power + access

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Example 3: Searching Technical Documents

Prompt (Text + PDF):

what bands or brackets do I need to mount a D-A93 sensor onto a SMC CDJ2B16-250Z-B cylinder.

[illegible]

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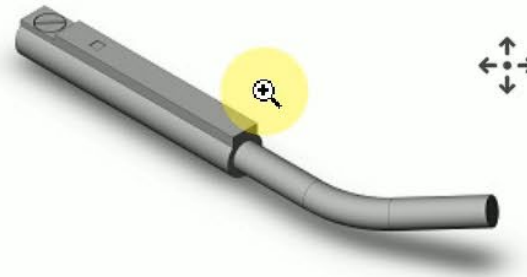
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Series image - for reference only
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PRICE

Your Price: **\$21.02**

Availability:

Available to Ship Today*: 34 qty**Available to Ship Tomorrow*: 5679 qty****Available to Ship in 7 Days: 626478 qty**

*All orders available to ship today or ship tomorrow must be received by 3pm PST.
We ship Monday through Friday only. International orders add 5 days for handling.

Quantity

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Example 4: Meeting Notes

Prompt(Video Recording):

Recording of online meeting

Hey, Adam. Ready to dive in?

could you make me some hypothetical meeting notes based off of these. I want to protect privacy while demonstrating AI's meeting summary capabilities for a presentation
https://published.usemotion.com/docs/doc_tjh4w5jPCFydpdbs5RQPn2



Example 5: Email Tone Correction

Prompt:

I'm pretty angry with Bill right now. Could you make this email appropriate. I don't want to upset anyone. Polite, formal, strong.

“Hey bill, you need to pay me my dang money, the bill is 20 days overdue. You loved the work and posted it on social media multiple times. Just pay me you jerk. I don't want to be dealing with this anymore and wasting my time. You stink.”

Temporary Chat

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Example 6: Education And Research

Prompt:

Describe to me the pros and cons of mig versus tig welding

Temporary Chat

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+ Describe to me the pros and cons of mig versus tig welding



Risks

- **Accuracy & Hallucination** – AI can confidently generate wrong or made-up information.
Always verify outputs.
- **Data Privacy** – Anything you type may be stored or used for model training; avoid sharing client or confidential data.
- **Bias & Fairness** – AI reflects the biases in its training data; review results critically.
- **Overreliance** – Great for drafting or automating, but poor substitute for expert judgment.
- **Legal / Ethical Boundaries** – AI can't give legal, medical, or engineering advice; responsibility still lies with you.
- **Copyright & Source Reliability** – Text or images from AI may reuse protected material; double-check before publishing or commercial use.

Resources & Next Steps

Play With It

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See You Next Year



ORLANDO, FL
Nov. 3-5, 2026



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