

TABLE OF CONTENTS

S.NO	CONTENT	PAGE.NO
1	FOUNDATIONS OF AI & PROMPTING	2
2	AI FOR TEXT & CONTENT	17
3	AI FOR DESIGN & CREATIVITY	24
4	AI FOR VOICE & VIDEO	30
5	AI FOR DEVELOPERS & PRODUCTIVITY	33
6	AI IN DAILY LIFE & CAREERS	36
7	AI TOOLS REFERENCE	39

1. FOUNDATIONS OF AI & PROMPTING

1.1 Introduction to AI

Artificial Intelligence (AI) is the science of building systems that can think, learn, and act like humans. Instead of giving computers step-by-step instructions, AI enables them to analyze data, recognize patterns, and make decisions.

Categories of AI Tools

1. Text-based AI – Works with natural language.

Examples: ChatGPT, Perplexity AI, Poe.

Uses: Writing, summarization, email drafting, translation.

2. Image-based AI – Generates or edits pictures.

Examples: DALL·E, Stable Diffusion, Bing Image Creator.

Uses: Logos, posters, digital art, product mockups.

3. Video-based AI – Creates or enhances videos.

Examples: Pika Labs, CapCut AI.

Uses: Short animations, promotional ads, explainer videos.

4. Voice-based AI – Produces synthetic speech or clones voices.

Examples: ElevenLabs, Play.ht.

Uses: Audiobooks, dubbing, voice assistants.

5. Code-based AI – Assists developers in writing and debugging code.

Examples: GitHub Copilot, Codeium, Codium AI.

Uses: Code generation, bug fixing, test creation.

1.2 What is Prompting?

Prompting is the art of giving clear instructions to an AI tool so it produces the desired output.

Think of it as talking to a human assistant: the clearer your request, the better the result.

Prompting Framework (R-T-C-S-C)

1. Role – Tell AI what role it should play.

Example: “Act as a career coach.”

2. Task – What you want AI to do.

Example: “Write a professional email to apply for an internship.”

3. Context – Provide background or details.

Example: “The company is a startup in fintech.”

4. Style – Define tone and format.

Example: “Keep it polite and concise.”

5. Constraints – Any limits or rules.

Example: “Limit to 150 words.”

Example Prompt:

"Act as a career coach. Write a polite internship application email for a fintech startup. Keep it concise (150 words)."

1.3 Evaluating AI Outputs

AI is powerful, but it is not always accurate.

1. **Accuracy** – AI may provide correct-looking answers, but sometimes they are wrong.
2. **Hallucination** – When AI confidently makes up false facts.
3. **Best Practice** – Always fact-check AI responses, especially for academic or business use.

Tip: Use Perplexity AI for research since it cites sources, while ChatGPT is great for brainstorming and creativity.

1.4 Free Tools to Start With

1. ChatGPT (by OpenAI)

Purpose: General writing, Q&A, idea generation

Access: <https://chatgpt.com/>

Interface:

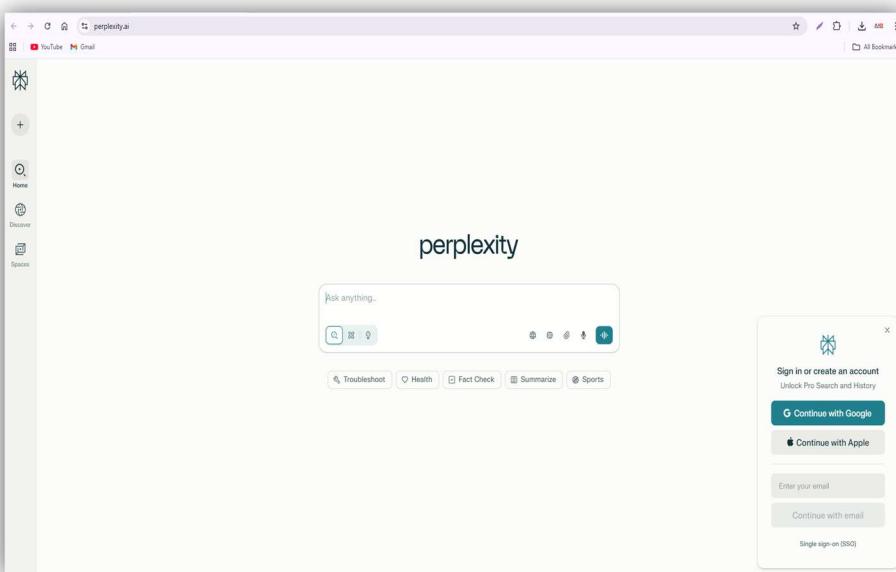


2. Perplexity AI

Purpose: Research-focused assistance with citations

Access: <https://www.perplexity.ai/>

Interface:

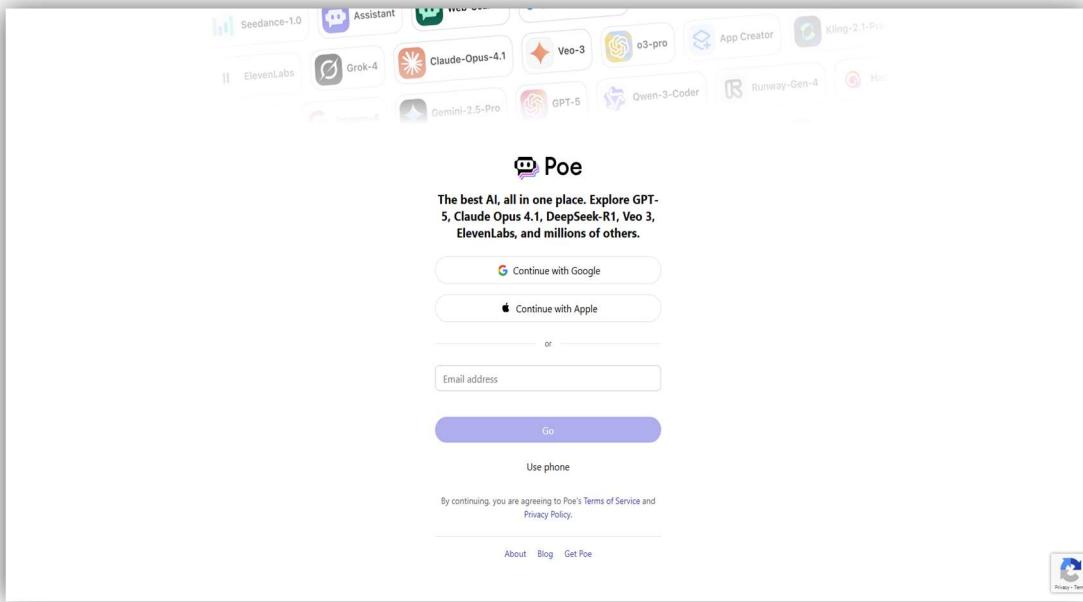


3. Poe (by Quora)

Purpose: Aggregates multiple AI models in one interface

Access: <https://poe.com/>

Interface:

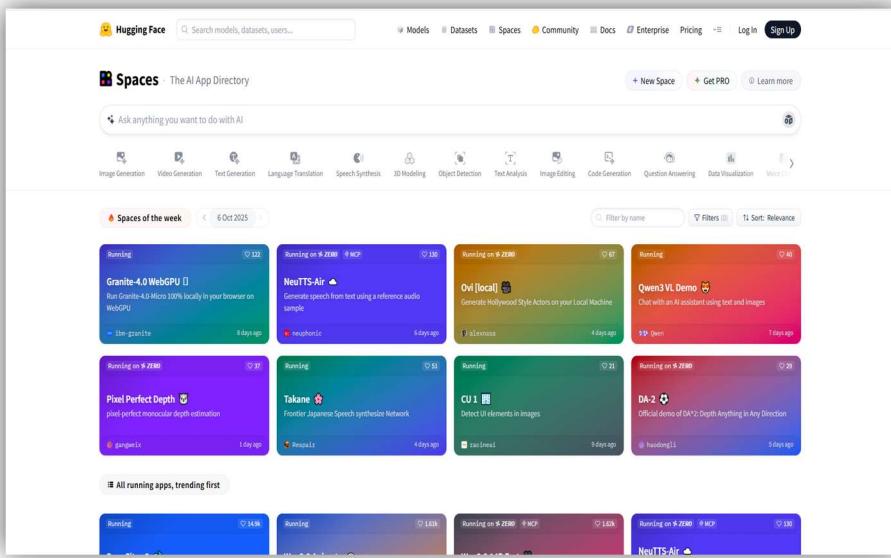


4. Hugging Face Spaces

Purpose: Open-source AI models for text, images, and more

Access: <https://huggingface.co/spaces>

Interface:

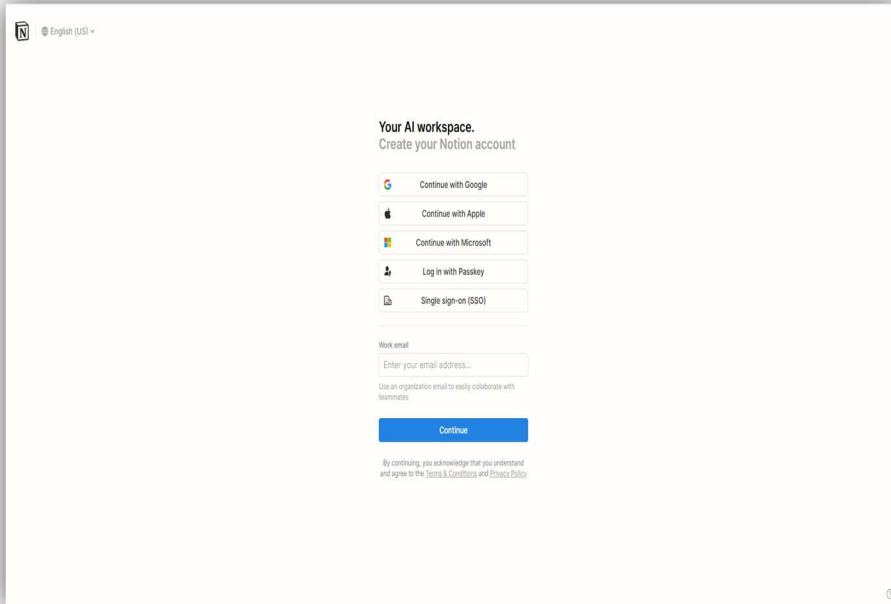


5. Notion AI

Purpose: Organizes ideas, notes, and auto-generates documents inside Notion.

Access: <https://www.notion.so/signup>

Interface:

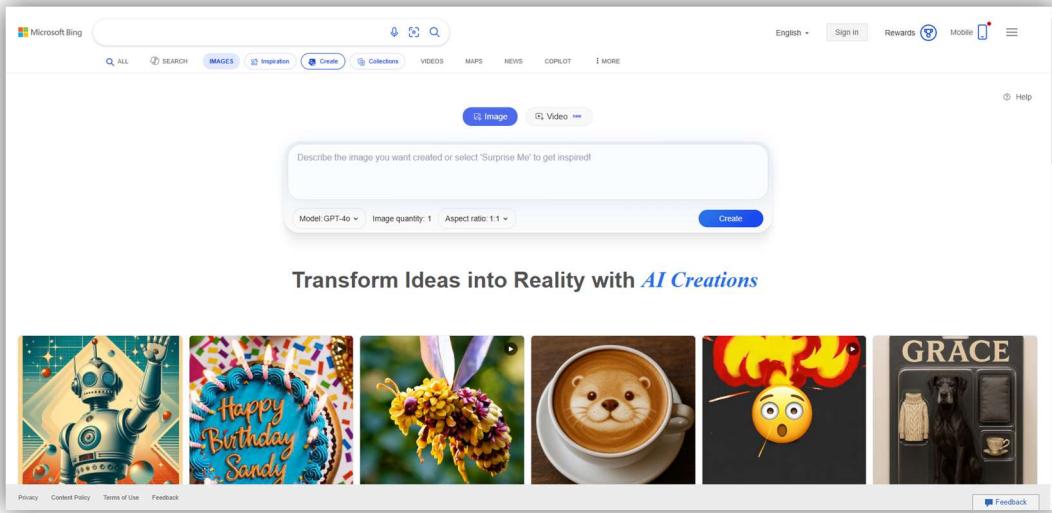


6. Bing Image Creator

Purpose: Free, easy-to-use image generation powered by DALL·E.

Access: <https://www.bing.com/images/create>

Interface:

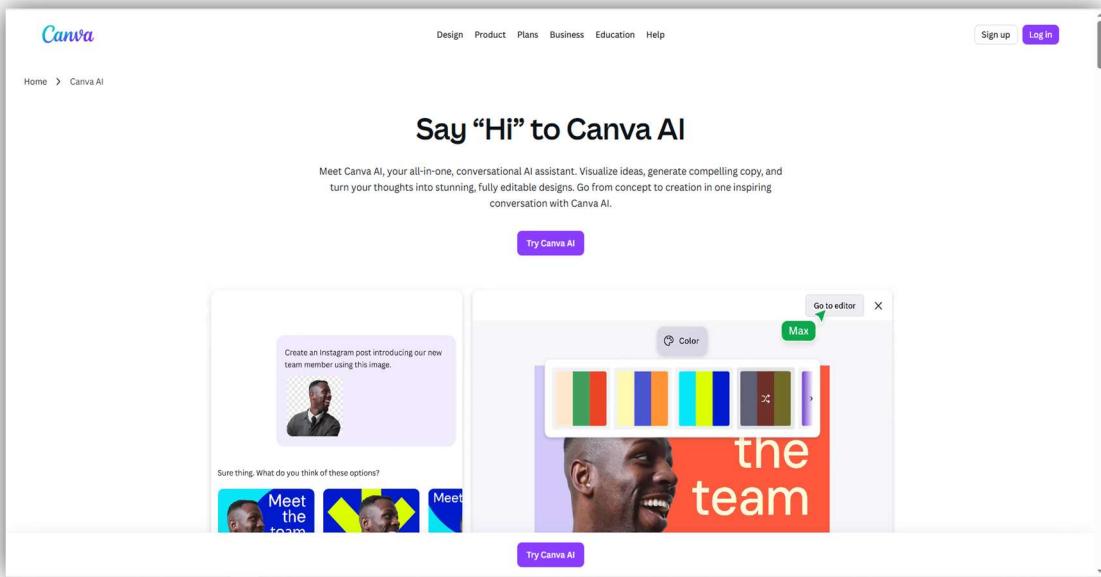


7. Canva AI

Purpose: AI-powered design tool for posters, presentations, and social media.

Access: <https://www.canva.com/ai-assistant/>

Interface:

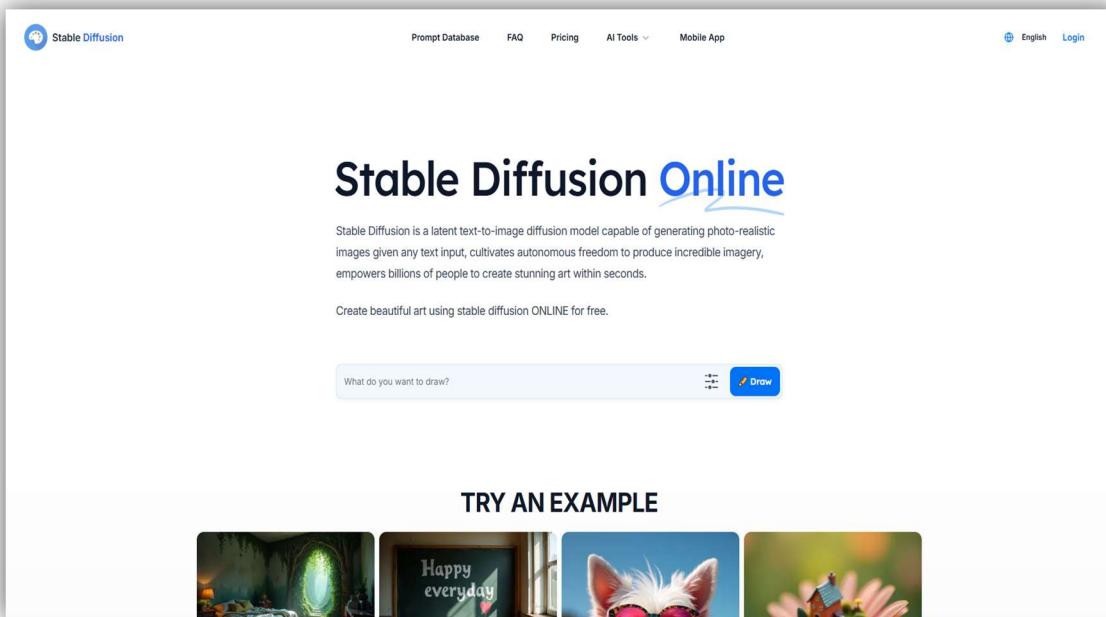


8. Stable Diffusion

Purpose: Open-source, highly customizable image generation.

Access: <https://stablediffusionweb.com/>

Interface:



Signing Up or Signing In

To access your account, follow these steps:

1. **Click** on the "**Continue with Google**" button.
2. A new window or popup will appear with a list of Google accounts.
3. **Select your preferred Google account** (mail ID) from the list.
 - o If your account isn't listed, click "**Use another account**" and log in with your email and password.
4. Once selected, you will be automatically signed in or signed up, depending on whether it's your first time.

 **Note:** This method allows quick access without needing to create a separate username or password.

1.5 Exercises

1. Write the same message in 3 different tones using prompts:

1. **Formal:** "Dear Sir/Madam, I would like to request a leave of absence..."
2. **Casual:** "Hey! I need to take a day off tomorrow..."
3. **Creative:** "Imagine a bird asking its boss for a break... now write my leave request in that style!"

2. Use **ChatGPT** to:

1. Summarize today's news in 50 words.

Summarize today's news in 50 words.

India launches a National Red List to track species protection. The Times of India

Jaishankar meets Afghan FM; India to reopen embassy in Kabul. The Times of India

India skips a mediator meeting after Pahalgam attack, straining treaty talks with Pakistan. The Economic Ti...

India's women's cricket team worries over a faltering top order in World Cup. The Times of India

Ayodhya prepares to light 2.6 million diyas, aiming for a Guinness record. The Times of India

Today's News



● The Times of India
India launches National Red List to track flora and fauna
Today



● The Times of India
'Upgrading technical mission': Jaishankar meets Afghanistan FM; India set to reopen embassy in Kabul
Today



● The Economic Times
India stays out of IWT Neutral Expert meeting after Pahalgam attack
Today

>

 ...  Sources

2. Rewrite it as a tweet.

Rewrite it as a tweet.

India launches National Red List 🌱

Jaishankar meets Afghan FM 🤝

India skips treaty talks after Pahalgam attack 🚫

Women's cricket top order struggles 🥵

Ayodhya to light 2.6M diyas for record 🕯️

#India #News #Deepotsav #Cricket #RedList #Diplomacy



...

3. Rewrite it as a formal report.

Rewrite it as a formal report

Daily News Brief – October 11, 2025

1. India Launches National Red List for Species Conservation

The Government of India has introduced a National Red List aimed at monitoring and protecting the country's biodiversity. This initiative aligns with global conservation standards and is expected to enhance environmental governance and species protection efforts.

2. Diplomatic Engagement with Afghanistan

External Affairs Minister S. Jaishankar held discussions with Afghanistan's Foreign Minister, signaling India's intention to upgrade its technical mission and reopen its embassy in Kabul. The move reflects a cautious re-engagement with Afghanistan under the current regime.

3. India Withdraws from IWT Meeting Following Pahalgam Attack

India opted out of the latest meeting with the neutral expert under the Indus Waters Treaty (IWT) due to security concerns following the recent terrorist attack in Pahalgam. The decision may impact future water-sharing negotiations with Pakistan.

4. Concerns Over Women's Cricket Team Performance

Ahead of the ICC Women's World Cup 2025, India's women's cricket team faces scrutiny over its inconsistent top-order performance. Team management has expressed concern and is expected to review strategies before upcoming fixtures.

5. Ayodhya Prepares for Record-Breaking Deepotsav

The city of Ayodhya is preparing to light 2.6 million oil lamps (diyas) along the Saryu River during Deepotsav 2025. Organizers aim to set a new Guinness World Record and promote the cultural significance of the festival.

End of Brief

Prepared by: ChatGPT News Desk

Date: October 11, 2025



Ask anything

Attach

Search

Study

Voice

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#).

3. Use Perplexity AI to:

1. Ask "What is the latest trend in AI education?"

The screenshot shows the Perplexity AI interface with the query "What is the latest trend in AI education?" entered. The search results are displayed in a card-based format.

Top Result: What is the latest trend in AI education?

Sources: Answer, Images, Sources (18), Steps

Card 1: springerapp.com Main AI Trends In Education (2025) - Springer

Card 2: EIMT Top 10 AI Trends Reshaping the Future of Education

Card 3: holoniq.com 2025 Education Trends Snapshot: AI, Skills, and...

Card 4: University of San Diego 30 Examples of Artificial Intelligence in Education

Summary: The latest trend in AI education involves the widespread adoption of generative AI, personalized learning pathways, AI-driven analytics, immersive technologies, and intelligent tutoring systems to transform both teaching and learning experiences. [springerapp](#)

Generative AI and Content Creation: Educational institutions are increasingly using generative AI to create high-quality educational content, such as interactive lessons, glossaries, and video tutorials, that can be produced quickly and affordably. This enables teachers to focus more on instruction, while ensuring consistent and engaging materials for students. [holoniq](#)

Personalized and Adaptive Learning: AI-powered adaptive learning platforms assess individual student needs in real time, providing customized lessons, instant feedback, and tailored assessments that allow students to progress at their own pace. This approach improves mastery of concepts and boosts student engagement. [onlinedegrees.sandiego](#)

Virtual Avatars and AI Tutors: Virtual AI avatars and intelligent tutoring systems are being integrated into education, enabling institutions to offer personalized video lessons in multiple languages. These AI tutors can provide 24/7 support, break down complex concepts, and make learning accessible globally. [springerapp](#)

Gamification and Engagement: AI-driven gamification adds interactive, challenge-based, and reward-focused elements to learning, increasing motivation and participation among students. Adaptive gamification personalizes learning games based on user behavior and preferences. [onlinedegrees.sandiego](#)

Enhanced Accessibility and Inclusivity: AI assists students with disabilities through tools like speech-to-text and text-to-speech, making educational materials more accessible. These technologies also support multi-lingual learning and create inclusive environments for diverse learners. [springerapp](#)

Workforce Readiness and Practical Skills: AI is being used to bridge the gap between education and the workforce by integrating work-based learning, automated career guidance, and skills tracking into curricula, preparing students with relevant, in-demand job skills. [holoniq](#)

Automated Administration and Analytics: Automation of tasks such as grading, attendance, and scheduling frees up time for educators, allowing for more personalized student engagement. AI learning analytics helps identify at-risk students and optimize teaching strategies for improved outcomes. [holoniq](#)

Conclusion: These trends are making education smarter, more scalable, and responsive to the needs of both students and teachers as AI technologies mature and gain serious, large-scale implementation worldwide. [holoniq](#)

Actions: Share, Export, Rewrite, ...

Related:

- Which AI tools are most used for personalized learning
- How schools are implementing AI graders and concerns
- Examples of AI-driven virtual avatars in classrooms
- Impact of AI on teacher roles and workload
- Latest policy guidelines for AI in education

Ask a follow-up:

14

2. Check the cited sources.

Check the cited sources

Answer Sources · 7 Steps

EIMT
Top 10 AI Trends Reshaping the Future of Education

ed
Artificial Intelligence and the Future of Teaching an...

unesco.org
Artificial intelligence in education

OECD
Trends Shaping Education 2025

The cited sources supporting the trends in AI education come from reputable industry, academic, and international organizations. For example:

- An article from EIMT's education research outlines current and future trends such as generative AI, adaptive learning platforms, automated grading, career guidance, and speech recognition. [eimt.edu](#)
- The U.S. Department of Education's AI report discusses the opportunities and risks of AI adoption in teaching, including personalized learning, automation, accessibility, and the ethical considerations of integrating AI into school settings. [ed](#)
- UNESCO's coverage emphasizes AI's potential for accessibility, inclusion, and addressing global educational challenges while identifying risks and policy needs. [unesco](#)
- The OECD "Trends Shaping Education 2025" report details how AI and immersive technologies are fundamentally transforming learning environments, needs, and approaches worldwide. [oecd](#)

These sources confirm the accuracy and relevance of the previously summarized trends and insights, providing strong support across research, policy analysis, and organizational guidance for the latest developments in AI education. [eimt.edu +3](#)

Share Export Rewrite ...

Related

Verify the citations in result 1 for accuracy and authorship [+](#)

Confirm the publication date and authors for result 3 [+](#)

Check whether result 2 cites any official policy documents [+](#)

Identify primary sources referenced across all four results [+](#)

Flag any paywalled or inaccessible cited sources [+](#)

Ask a follow-up

1.6 Tasks

1. **Prompt:**

👉 Write 3–5 sentences about what you read today in [book title].

Use: Helps young readers practice short summaries and recall.

2. **Prompt:**

👉 Tell the story from Chapter [X] in 3 short messages, like you're texting a friend.

Use: Makes summarizing fun and modern using familiar formats.

3. **Prompt:**

👉 What were the most important things in today's reading? Write them like a list.

Use: Builds focus and organization without needing full sentences.

4. **Prompt:**

👉 Pretend you are a news reporter. What happened in today's reading?

Use: Sparks creativity while practicing retelling in a structured way.

5. **Prompt:**

👉 Pick a character from the story. What would they say about what happened today?

Use: Encourages empathy and understanding of character perspective.

2. AI FOR TEXT & CONTENT

2.1 Introduction

Text is the most common use of AI. Developers, students, and businesses use AI to create, edit, and optimize content. Instead of spending hours writing, you can use AI tools to quickly generate professional-quality documents, blogs, emails, and reports.

2.2 Applications of AI in Text

1. Blogs & Articles

1. AI can draft blog posts based on topics, keywords, and tone.
2. It saves time for content creators and marketers.
3. Example: "Write a 500-word blog on the future of AI in healthcare, in a simple, engaging style."

2. Resumes & Cover Letters

1. Generate professional resumes in minutes.
2. AI tailors cover letters for specific job applications.
3. Example: "Create a resume for a Java developer with 2 years of experience."

3. Emails

1. AI can write formal, casual, or persuasive emails.
2. Example: "Write a professional follow-up email for a job interview."

4. Proposals & Reports

1. Draft business proposals with correct structure.

2. Summarize lengthy reports into key points.

2.3 Summarization, Rewriting & Translation

1. Summarization

1. Condense long articles into short notes.
2. Example: "Summarize this 10-page report into bullet points."

2. Rewriting

1. Rephrase content for clarity or to avoid plagiarism.
2. Example: "Rewrite this paragraph in a simpler tone."

3. Translation

1. Convert text into multiple languages instantly.
2. Example: "Translate this English paragraph into French."

2.4 SEO & Marketing Content

AI helps generate content optimized for search engines (SEO):

1. Keyword-based blog posts.
2. Social media captions.
3. Product descriptions.
4. Example: "Write a product description for a smartwatch using keywords: fitness, health tracking, long battery."

This makes AI a powerful assistant for marketers, entrepreneurs, and freelancers.

2.5 Tools for Text Content

ChatGPT – General writing, emails, resumes, blogs.

Perplexity AI – Research and fact-checking with citations.

Notion AI – Organizes ideas, notes, and auto-generates documents inside Notion.

2.6 Exercises

1. Blog Writing

Use ChatGPT: “Write a 600-word blog on ‘Top 5 Skills Every Developer Needs in 2025’ in an engaging style.”

The screenshot shows a blog post with the following content:

Absolutely! Here's a 600-word blog post titled:

Top 5 Skills Every Home Cook Needs in 2025

Welcome to 2025 — a time when your fridge talks back, your oven follows voice commands, and TikTok trends shape dinner plans. The kitchen of today is smarter, more sustainable, and more creative than ever. But with all this evolution, home cooks are finding themselves in need of a new kind of toolkit.

Whether you're a beginner or a seasoned food lover, here are the top 5 skills every home cook needs in 2025 to stay ahead of the culinary curve.

1. Smart Kitchen Savvy

Gone are the days of relying solely on recipe books and timers. Today's home cook needs to know how to navigate smart appliances and apps that optimize cooking time, energy use, and even ingredient freshness. From AI-powered ovens that auto-adjust temperature, to fridges that suggest recipes based on what's inside, smart tech is changing how we cook.

Pro Tip: Get familiar with apps like Yummly or Samsung SmartThings Cooking. They can connect to your appliances and guide your entire cooking process hands-free.

2. Plant-Forward Cooking

You don't have to go fully vegan, but knowing how to build meals around plants instead of meat is quickly becoming essential. Driven by health, sustainability, and taste, plant-based cooking is no longer niche—it's mainstream.

Understanding how to create protein-rich, satisfying meals using legumes, tofu, mushrooms, and whole grains is a must. The bonus? You'll reduce your grocery bill and your carbon footprint.

Pro Tip: Learn to cook with umami-rich ingredients like miso, tamari, and nutritional yeast to bring bold flavor to plant-based dishes.

3. Fermentation & Preservation

In 2025, it's not just chefs and food nerds fermenting their own kimchi or brewing kombucha — it's everyday home cooks. Not only does it save money and reduce food waste, but these techniques are also packed with health benefits and deep flavors.

Fermentation, pickling, and curing are coming back strong, thanks to the growing interest in gut health, traditional food wisdom, and DIY kitchen skills.

Pro Tip: Start small with a batch of refrigerator pickles or try making your own yogurt. No fancy equipment needed — just patience, salt, and a clean jar.

4. Cultural Curiosity

In a hyper-connected world, global flavors are just a swipe away. But more than just "trying new cuisines," the modern home cook should approach food with cultural respect and curiosity.

Learn about the origins of the dishes you love. Dive into spices and cooking techniques from regions beyond your own. Understanding the *why* behind a recipe adds depth and authenticity to your cooking.

Pro Tip: Follow creators from diverse backgrounds on social media to learn directly from those who live and breathe their food traditions.

5. Waste-Free Cooking

In 2025, it's not just trendy to reduce food waste — it's expected. Home cooks are now challenged to use every part of their ingredients and reduce their kitchen's environmental footprint.

From root-to-stem cooking (think carrot top pesto or broccoli stem slaw) to batch cooking and composting, cooking sustainably is now a critical life skill.

Pro Tip: Keep a "use-it-up" bin in your fridge for ingredients nearing their end, and let it guide your next meal. You'll be surprised how many delicious dishes come from scraps.

Final Thoughts

Being a great home cook in 2025 isn't just about mastering recipes — it's about adapting to a world where tech, health, culture, and climate all influence what we eat. By embracing these five skills, you'll not only cook better meals, but also become a more mindful and modern cook.

2. LinkedIn Post

Rewrite the blog as a short LinkedIn update: "Summarize the above blog into a 150-word LinkedIn post with a motivational tone."

Summarize the above blog into a 150-word LinkedIn post with a motivational tone

Absolutely! Here's a 150-word LinkedIn post summarizing the blog with a motivational and professional tone:

The Future of Cooking Is Here — Are You Ready?

In 2025, being a great home cook goes beyond just following recipes — it's about adapting, innovating, and cooking with purpose.

To thrive in today's kitchens, here are the Top 5 skills every home cook needs:

-  Smart kitchen tech know-how
-  Plant-forward cooking
-  Fermentation & food preservation
-  Cultural curiosity & respect
-  Waste-free, sustainable cooking

From AI-powered ovens to zero-waste meals, the modern kitchen blends tradition, technology, and global inspiration. Whether you're cooking for health, family, or pure joy — now's the time to level up.

Your kitchen can be your most powerful tool for creativity, connection, and impact.

So grab that apron (or your smart device) — and let's cook smarter, greener, and more deliciously than ever.



#CookingSkills #HomeChef #KitchenTech #SustainableLiving #PlantBased #LifelongLearning

Let me know if you'd like a version tailored to a different audience (e.g., food startups, lifestyle influencers, etc.).



3. SEO Description

Ask Notion AI or ChatGPT Free: "Write an SEO-friendly meta description for the above blog within 160 characters."

Write an SEO-friendly meta description for the above blog within 160 characters.

Discover the top 5 essential skills every home cook needs in 2025, from smart kitchen tech to sustainable, plant-based, and global cooking trends.

...

2.7 Tasks

1. **Prompt:**

👉 Imagine you're a travel blogger visiting Madurai for the first time. Write 3–5 sentences describing your experience at the Meenakshi Temple.

Use: Encourages descriptive writing and cultural appreciation.

2. **Prompt:**

👉 List the top 3 things someone must eat, see, or do in Madurai — and explain why.

Use: Builds research, critical thinking, and decision-making skills.

3. **Prompt:**

👉 Pretend you met someone from the past — like a king or poet from ancient Madurai. What 3 questions would you ask them?

Use: Sparks historical curiosity and imagination.

4. **Prompt:**

👉 Describe Madurai in one tweet (or message): highlight its vibe, people, or food in under 280 characters.

Use: Practices concise writing and modern digital expression.

5. Prompt:

👉 Create a mini travel itinerary for a friend visiting Madurai for one day. What should they not miss?

Use: Combines planning, creativity, and local knowledge.

3. AI FOR DESIGN & CREATIVITY

3.1 Introduction

Artificial Intelligence is transforming the creative industry by generating high-quality visuals. Designers, marketers, and content creators can now produce logos, posters, banners, and even 3D art in minutes. Instead of needing advanced design skills, you can use AI with simple prompts.

3.2 How AI Generates Images

Most AI art tools use diffusion models.

1. A diffusion model starts with random noise (like static on a TV screen).
2. The AI gradually removes noise step by step to create a clear image based on your prompt.
3. This allows flexibility in creating styles such as realistic, cartoon, anime, or abstract.

Example:

Prompt – “A futuristic city skyline at sunset, ultra-realistic, 4K.”

Output – AI removes noise until the final image matches the description.

3.3 Prompt Styles for Creativity

1. Realistic

Looks like a photograph.

Example: "Portrait of a young woman in natural sunlight, DSLR style."

2. Anime

Inspired by Japanese anime/manga.

Example: "Anime-style character with blue hair holding a sword."

3. 3D / CGI

Game-like or cinematic renders.

Example: "3D render of a golden dragon flying over mountains."

4. Abstract

Artistic, imaginative, non-realistic.

Example: "Abstract art of emotions represented as colorful waves."

3.4 Creative Use Cases

1. **Logos** – Generate brand identities quickly.
2. **Posters** – Create marketing posters for events.
3. **Banners** – Design web and social media banners.
4. **Thumbnails** – Eye-catching visuals for YouTube and blogs.

3.5 Tools for Design

Bing Image Creator – Free, easy-to-use image generation powered by DALL·E.

Canva AI – AI-powered design tool for posters, presentations, and social media.

Stable Diffusion – Open-source, highly customizable image generation.

3.6 Exercises

Task: Create a Brand Kit

1. Use Bing Image Creator to design a Logo for a fictional company.

Example Prompt: “Minimalist logo of a coffee shop with brown and cream tones.”





2. Use Canva AI to design a Poster promoting the coffee shop's grand opening.

Example Prompt: "Modern poster with coffee beans, warm colors, and big sale text."





3. Use Stable Diffusion to generate a Web Banner.

Example Prompt: "Wide banner for a coffee shop website, cozy vibes, wooden textures."





3.7 Tasks

1. Pick a theme (e.g., Travel Blogger, Tech Startup, Fitness Trainer).
 2. Create: (1 Logo, 1 Poster, 1 Banner).
 3. Compare results across Bing, Canva, and Stable Diffusion.
 4. Choose the best design and explain why it works.
-

4. AI FOR VOICE & VIDEO

4.1 Introduction

AI is no longer limited to text and images. With modern tools, anyone can create realistic voiceovers, podcasts, dubbing, and even full videos without expensive equipment. This makes content creation faster and more accessible to students, educators, marketers, and developers.

4.2 AI for Voice

AI voice tools use text-to-speech (TTS) and voice cloning:

1. Text-to-Speech (TTS): Converts written text into natural human-like voice.
2. Voice Cloning: Creates a synthetic copy of a specific person's voice.

Applications

1. Narration for videos or presentations.
2. Audiobooks and podcasts.
3. Customer service chatbots with human-like voices.
4. Dubbing content into multiple languages.

Example Prompts:

1. "Convert this script into a professional British male voice."
2. "Read this text in a female voice with a friendly tone."

4.3 AI for Video

AI video tools use generative video models to turn text or images into motion visuals.

Applications

1. Explainer videos for businesses.
2. Animated ads and social media reels.
3. Talking avatars that read scripts.
4. Educational content with subtitles.

Example Prompts:

1. "Create a 30-second explainer video about online safety for students."
2. "Generate a promotional ad for a mobile app with upbeat music."

4.4 Tools for Voice & Video

ElevenLabs – Natural, realistic voice generation and cloning.

Play.ht – Text-to-speech with multiple voice styles.

Pika Labs – AI tool for text-to-video generation.

CapCut AI – Easy-to-use video editor with AI templates and effects.

4.5 Exercises

Task: Create a Short Ad

1. Use ElevenLabs or Play.ht to generate a voiceover.

Example Prompt: "Read this script in a warm, professional female voice."

2. Use Pika Labs to generate a short animation.

Example Prompt: "30-second animated video about a startup launching a food delivery app."

3. Import both into CapCut AI to combine voice + video.
Add background music, text, and effects.

4.6 Taskss

1. Write a 1-minute self-introduction script.
 2. Use Play.ht or ElevenLabs to generate your narration.
 3. Create a simple video in CapCut AI with your voiceover, images, and text highlights.
 4. Export it as your AI-powered video resume.
-

5. AI FOR DEVELOPERS & PRODUCTIVITY

5.1 Introduction

AI is not just for writers and designers — developers can also boost their productivity by using AI-powered coding assistants, debugging helpers, and project management tools. AI saves time by automating repetitive coding tasks, suggesting fixes, and even generating complete applications.

5.2 AI for Developers

Applications

1. Code Generation

Generate boilerplate code for faster development.

Example: “Write a Python function that connects to MySQL and fetches all rows.”

2. Debugging

AI can analyze error messages and suggest fixes.

Example: “Fix this JavaScript error: Cannot read property ‘map’ of undefined.”

3. Test Cases

Automatically generate unit tests.

Example: “Create JUnit tests for a Spring Boot login controller.”

4. Documentation

Generate clear explanations for your code.

Example: "Document this API in Swagger format."

5.3 AI for Productivity

AI can also streamline daily work for developers, students, and teams:

Task Management: Generate task lists from meeting notes.

Automation: Create scripts for repetitive jobs.

Knowledge Base: Quickly find solutions with AI search engines.

Email & Reports: Draft technical or project reports faster.

5.4 Tools for Developers & Productivity

GitHub Copilot – AI coding assistant for multiple languages.

Codeium – Fast code generation and autocomplete.

Tabnine – AI-powered code suggestions.

Notion AI – Organize projects, tasks, and notes.

Perplexity AI – Research with cited sources for technical queries.

5.5 Hands-on Exercise

Task: Build a Mini Project with AI

1. Use Copilot/Codeium to generate boilerplate code for a To-Do App.

2. Ask AI to create unit tests for the app.
3. Use Notion AI to generate a project plan (features, timeline, tasks).
4. Summarize progress into a weekly report with AI's help.

5.6 Mini Project – AI Productivity Workflow

Step 1: Use AI to create a simple web app (e.g., Notes App).

Step 2: Document the app using AI-generated README.md.

Step 3: Use AI to generate unit tests and debug errors.

Step 4: Present the app with an AI-generated project report.

This project demonstrates how developers can integrate AI into their daily workflow – from planning and coding to documentation and reporting.

6. AI IN DAILY LIFE & CAREERS

6.1 Introduction

1. AI is becoming part of everyday life, not just for tech experts.
2. Students, freelancers, business owners, and professionals can save time and boost productivity.
3. Learning how to use AI effectively helps in studies, work, and personal growth.

6.2 Applications of AI in Daily Life

1. For Students
 - a. Summarize textbooks and articles.
 - b. Generate assignment/presentation ideas.
 - c. Translate difficult topics into simple terms.
 - d. Example Prompt: "Explain Quantum Computing in very simple terms as if I am 10 years old."
2. For Entrepreneurs & Business Owners
 - a. Write product descriptions, ads, and marketing content.
 - b. Create logos, posters, and pitch decks.
 - c. Automate customer support with AI chatbots.
 - d. Example Prompt: "Write a catchy Instagram caption for a coffee shop's new cold brew launch."
3. For Professionals
 - a. Draft resumes, cover letters, and LinkedIn summaries.
 - b. Generate reports and meeting minutes.

- c. Improve presentations and proposals with AI.
- d. Example Prompt: "Write a LinkedIn summary for a software engineer with 5 years' experience in Java and Spring Boot."

4. For Freelancers & Creators

- a. Write blogs, social posts, and video scripts.
- b. Design thumbnails, posters, and banners.
- c. Record professional voiceovers.
- d. Example Prompt: "Create a 1-minute YouTube script about healthy morning routines in a motivational style."

6.3 Career Opportunities in AI & Prompting

Prompt Engineer – Create effective prompts for businesses.

AI Content Specialist – Write blogs, ads, and posts using AI.

AI Consultant – Help companies adopt AI tools.

AI Designer/Creator – Make logos, videos, or voiceovers with AI.

Tip: Even non-tech people should learn AI skills, just like using Word/Excel.

6.4 Hands-on Exercise

1. Student: Summarize a textbook chapter in 10 bullet points → Rewrite as flashcards.
2. Professional: Turn "I managed a team project at college" into a strong resume bullet.

3. Entrepreneur: Ask AI to write 3 ad copies for the same product (formal, casual, funny).

6.5 Mini Project – AI Career Portfolio

Task: Build an AI-powered career portfolio.

1. Resume (text with AI).
2. LinkedIn Summary (personal branding).
3. Logo/Banner (visual identity).
4. Voice/Video Intro (AI-based pitch).

Outcome: A professional portfolio to stand out in studies, jobs, or business.

7. AI TOOLS REFERENCE

S. No	Tool Name	Category	Owner / Company
1	ChatGPT (Free)	Text, Prompting	OpenAI
2	Perplexity AI	Text, Research	Perplexity AI Inc. (Aravind Srinivas & team)
3	Poe	Text, Aggregator	Quora Inc.
4	HuggingFace Spaces	Open-source AI Models	Hugging Face Inc.
5	Notion AI	Productivity, Text	Notion Labs Inc.
6	Bing Image Creator	Image Generation	Microsoft (powered by OpenAI's DALL·E)
7	Canva AI	Design & Creativity	Canva Pty Ltd (Melanie Perkins & team)
8	Stable Diffusion	Image Generation	Stability AI Ltd. (Emad Mostaque)
9	ElevenLabs	Voice Generation	ElevenLabs Inc.

10	Play.ht	Text-to-Speech (TTS)	Play.ht (Akshay Hallur & team)
11	Pika Labs	Video Generation	Pika Labs Inc.
12	CapCut AI	Video Editing	ByteDance Ltd. (TikTok parent company)
13	GitHub Copilot	Coding Assistant	GitHub (Microsoft), powered by OpenAI Codex
14	Codeium	Coding Assistant	Exafunction Inc.
15	Tabnine	Coding Assistant	Tabnine Ltd. (Dror Weiss & Eran Yahav)