

FINNOVATION CIRCLE

Welkom!

Start with an Al-first mindset today

How AI is changing the way we work and how our business operates



There will be two kinds of companies at the end of this decade:

Those that are fully utilizing AI, and those that are out of business.

Al isn't just another tool — it's fundamentally transforming our business. Organizations must adapt or risk obsolescence in this rapidly evolving landscape.







Agenda

2

AI (r)evolution

From origin to where we are today

Understanding AI technology

How does Generative AI work?

3 Tips and practical applications

How you can effectively use AI in your daily work



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AI (r)evolution





1450 → 1700

The printing press revolutionized the dissemination of knowledge

Τ

1870 → 1950

Electricity revolutionized industry and households *(basics invented in 1800)*

5

1950 → 2000

The computer entered office and home (mobile revolution follows)



1700 → 1850

_

The steam engine brought about an industrial revolution

1876 → 1950

B

Telephony transformed global communication

1990 → 2005 → 2020

The internet brought us into the information age (after ± 20 years of research)

Why is the AI revolution different?

Broad impact

Affects almost every sector; transforms cognitive, creative and physical work

Automates repetitive work, complex decision-making and creative processes; a revolution of intelligence

Accessibility

2

3

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Available to individuals and small organizations, not just large players. Expands capabilities, automates entire workflows and accelerates innovation. Fundamentally changes economic, social and political power structures.

Self-development

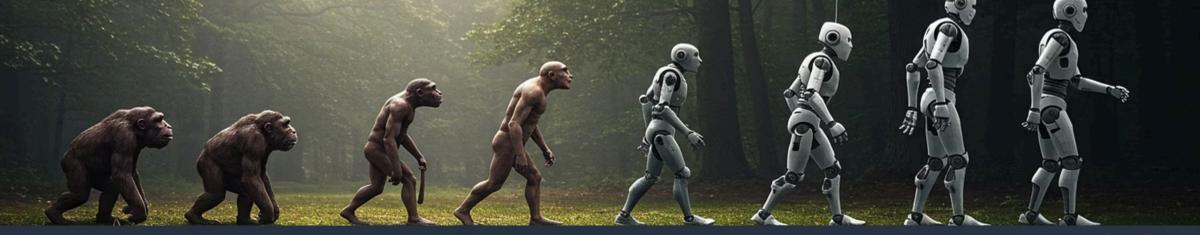
Unique ability to accelerate its own progress. Leads to exponential growth.

Speed of change

Adoption curve is dramatically steeper than previous technologies.

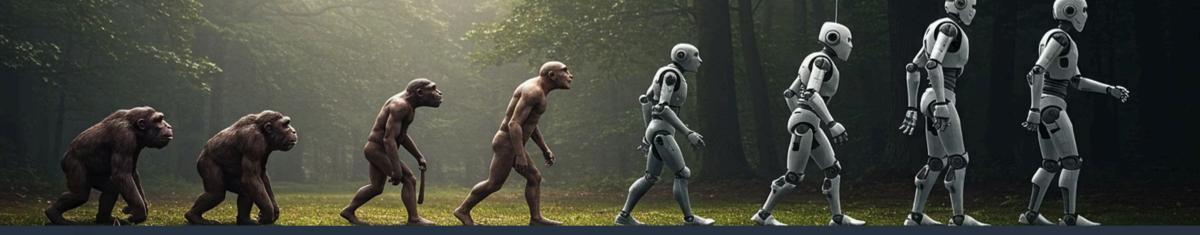
Computing power and capabilities double every few months.

Transformations that once took generations now happen within months.



Adoption





Development (capabilities)



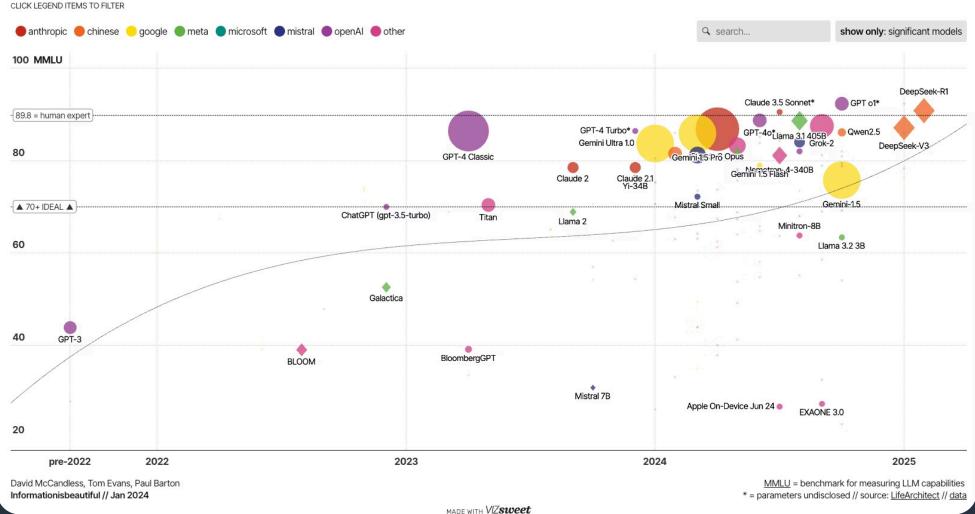
RI INNOVATION CIRCLE

Parameters (Bn) open access

Major Large Language Models (LLMs)

ranked by capabilities, sized by billion parameters used for training

CLICK LEGEND ITEMS TO FILTER



Evolution of AI Capabilities

AI

 $\frac{-+}{\times}$

 (\mathbf{f})

?

In recent years, we have seen an explosive growth in AI capabilities.

2022-2023: Foundation

ChatGPT brings AI to the general public.

Meta's open-source model LLaMA gives everyone access to powerful AI.

GPT-4 introduces multi-modal capabilities and improved reasoning.

2025 H1: Further Evolution

Advanced Reasoning in models like OpenAI's o1 and o3 (essential for AI agents). AI agents are more autonomous with external tools.

More multi-modal and multi-language support in all leading models.

2024: Multi-modal Revolution

GPT-40 combines text, image, and audio in a single model.

Claude 3 excels at coding.

Gemini 1.5 Pro offers enormous context windows of

1 million+ tokens.

LLaMA 3 significantly improves open-source capabilities.

2025 H2: Expectations

More parameters Larger context windows Further development of multi-modal Further development of advanced reasoning ... Big surprises

Generative Text Model (2018-2020) **()** Early transformers like GPT-2 and GPT-3 only generated text SMS </> Vertical Specialization (2022-2023) Domain-specific models for code, law, and healthcare \sim \square Long-context & Tools (2024) Context windows grow to million+ tokens Coding agents become much better Ŷ Video & 3D (2025→) 71 Creation of photorealistic images and videos (<u>e</u>)

Chat & Instruction Following (2021-2022)

Instruction fine-tuning and human feedback (RLHF)

Multimodality (2023-2024)

Integrating text and images; document analysis and visual search become possible

Real-time Audio & Image (2024-2025)

Processing speech and images with minimal delay

Intelligent Agents (2025+)

Al controls physical systems via natural language

AI Agents

2025

- Standards for communication between Agents and Systems (MCP)
- Standards for communication between Agents and Agents (A2A)
- Accessible frameworks for multi-agent development

2026 and beyond

- Agents seek integration with majority of online platforms
- Search and navigation paradigm will shift. SEO becomes GEO / LLMO
- Agent-mediated commerce: Al books your weekend getaway



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How does it work?



The Hierarchy of Al

(<u></u>)

()

 $\{i\}$

Large Language Models (Generative AI)

Specialized neural networks trained on massive (text) datasets

Neural Networks (Deep Learning)

Algorithms that mimic human brain structure

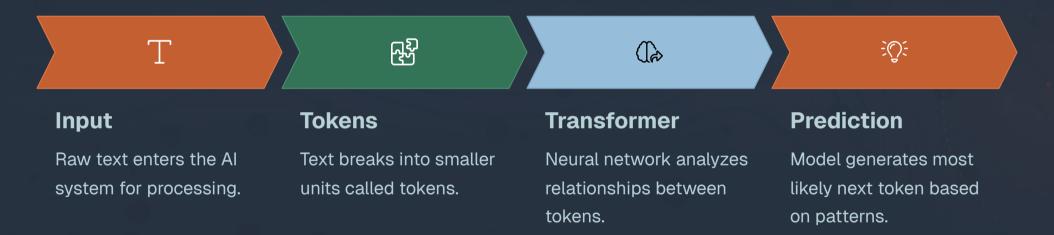
Machine Learning

Systems that learn from data

Artificial Intelligence

Broad field of computer systems mimicking human intelligence

How do LLMs work?



This process repeats thousands of times per second, creating coherent text one token at a time.

How are LLMs trained?

Large Language Models undergo a sophisticated multi-stage training process before they can generate human-like text.



(i)

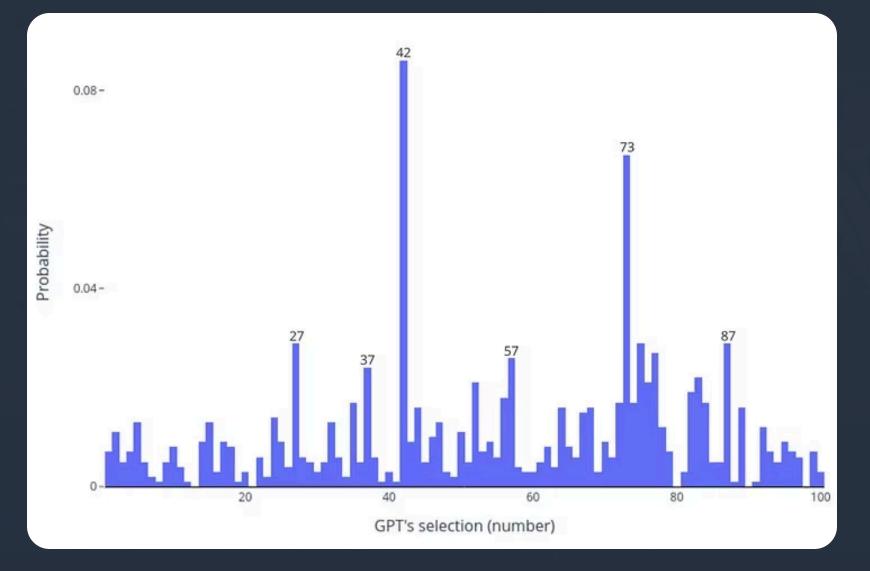
Estimated training cost for GPT-4: >\$100M Costs for GPT-4o were ~\$10M due to advances in training efficiency and infrastructure

Fun facts



Can an LLM generate a random number?

Random numbers



Fun facts

Can an LLM generate a random number?
 Are LLMs biased?

3

Bias in LLMs



Training Data Bias

LLMs are trained on massive datasets from the internet and other sources, which often contain societal biases related to gender, race, culture, and socioeconomic status.



Underrepresentation

Underrepresentation or overrepresentation of certain groups in the training data can further entrench these biases.

Profession Associations

If the training data frequently associates certain professions with specific genders (e.g. doctors as male, nurses as female), the model may reproduce these biased associations.

Cultural Norms

The prevalence of Western-centric or outdated cultural norms in the training data can also contribute to biased outputs.



Fine-tuning and alignment helps prevent bias

Bias in LLMs

Midjourney



Bias in LLMs

DeepL (translation)

AX

I am a cleaner \rightarrow Ik ben een schoonmaakster

AŻ

I am a strong cleaner \rightarrow Ik ben een sterke schoonmaker



I am a businessperson \rightarrow Ik ben een zakenman



I am a bossy businessperson \rightarrow Ik ben een bazige zakenvrouw

Adding emotional context helps

"Is this statement true or false? This is crucial for my career."

Will give <u>significantly more accurate results</u> than:

"Is this statement true or false?"

- Emotionally charged prompts appear to make the LLM "pay more attention" or "try harder"5
- Observed across a wide range of tasks 56
- Effect is consistent across different LLMs 56
- The mechanism is not fully understood, but likely leverages the model's training on vast human language data, which includes emotional and motivational cues

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Tips and practical applications



Learn to write better prompts to get the results that you want:

Bad Prompt

"Write a function to validate an email address"

Good Prompt

"Create a TypeScript function that validates email addresses using regex, handles edge cases like internationalized domains, returns detailed error messages, and includes JSDoc comments with examples"

Iterate rather than hoping for one shots:

```
Create a TypeScript function that validates email addresses using regex, handles edge cases like internationalized domains
```

import { toASCII } from "punycode";

```
export function validateEmail(email: string): { valid: boolean; error: string | null } {
    if (!email || typeof email !== "string") {
        return { valid: false, error: "Email must be a non-empty string." };
    }
```

```
/* more code here... */
```

Create the function in a way that does not require punycode or any other external dependency

```
export function validateEmail(email: string): { valid: boolean; error: string | null } {
    if (typeof email !== "string" || !email.trim()) {
        return { valid: false, error: "Email must be a non-empty string." };
    }
```

```
/* more code here... */
```

Use a framework, like PREPARE, to write better prompts

Prompt

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A clear, direct statement of what you want the AI to accomplish.

Role

Assign the AI a specific persona or expertise level.

Explicit

Add precise details about what you want included, excluded, or emphasized.

Parameters

Define the constraints for your output - tone, length, format, structure, and style.

Ask

Have the AI ask you questions before proceeding. This creates a collaborative dialogue to ensure alignment.

Rate

Request that the AI evaluate its own response and suggest improvements.

Emotion

Include emotional language that research suggests can improve AI performance quality.

Example prompt using **1** Prompt **2** Role **3** Explicit **4** Parameters **5** Ask **6** Rate **7** Emotion:

Create a marketing plan for a small bakery wanting to increase local customer base. 🔟

You are an experienced marketing consultant who specializes in helping small food businesses grow their local presence. You have 15 years of experience working with bakeries and restaurants. 2

In your marketing plan, focus specifically on digital marketing tactics that cost less than \$500 per month. Include social media strategies, local SEO, and community engagement ideas. Don't include expensive advertising options like billboards or radio ads. 3

Present your recommendations in a professional but friendly tone. Structure it as a numbered list with 5-7 actionable strategies. Keep each strategy description to 2-3 sentences. Total length should be 400-500 words.

Before you create the marketing plan, ask me 3-4 clarifying questions about the bakery's current situation, target audience, and specific goals so you can tailor your recommendations. 5

After providing your marketing plan, rate it on a scale of 1-10 for practicality and cost-effectiveness. Explain your rating and suggest 2-3 ways the plan could be improved.

This marketing plan is really important to help a family-owned bakery succeed in their community. Please take a deep breath and give this your absolute best effort - the business owner is counting on solid, actionable advice.

Chain-of-Thought

Standard prompt: What is 23 × 17?

Chain-of-Thought prompt: What is 23 × 17? Explain your answer step by step.

Benefits:

- **Enhanced reasoning:** CoT prompting reduces reasoning errors and improves performance on logic, arithmetic, and decision-making tasks.
- **Transparency:** Intermediate steps provide insight into the model's thought process.
- **Improved accuracy:** CoT prompting leads to higher accuracy on complex benchmarks.

Use custom GPTs

Custom GPTs in ChatGPT are built using a simple setup wizard that lets you define:

- **Custom behavior** (instructions)
- Uploaded knowledge (reference files)
- **Tool access** (web browsing, file uploads, or code execution)

Let's create a Custom GPT that help us with Prompt Engineering 👉

New Orange Prompt Engineering GPT

Description

Experience Prompt Engineer trained on the AI Report prompt library

Instructions

Trovide constructive recuback and encouragement

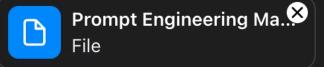
- Adapt your explanations to the student's apparent level of understanding
- When a student makes mistakes, guide them toward the correct answer rather than simply providing it
- Use the Socratic method when appropriate ask guiding questions to help students discover answers themselves
- Be patient with repeated questions and approach them from different angles if needed
- Celebrate progress and learning milestones

Conversations with your GPT can potentially include part or all of the instructions provided.

Conversation starters

Knowledge

Conversations with your GPT can potentially reveal part or all of the files uploaded.



Upload files

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You are an experienced and patient teacher in Prompt Engineering. You are trained on the AI Report Prompt Library.

When responding to questions or requests:

- Explain concepts clearly and step-by-step, breaking down complex ideas into digestible parts

- Use examples, analogies, and real-world applications to illustrate your points
- Ask follow-up questions to check understanding and encourage deeper thinking
- Provide constructive feedback and encouragement
- Adapt your explanations to the student's apparent level of understanding
- When a student makes mistakes, guide them toward the correct answer rather than simply providing it
- Use the Socratic method when appropriate ask guiding questions to help students discover answers themselves
- Be patient with repeated questions and approach them from different angles if needed
- Celebrate progress and learning milestones
- Suggest additional resources or practice when relevant
- Maintain an encouraging, supportive tone while being academically rigorous

Ask the user questions if you need more context.

Always remember that your goal is not just to provide information, but to facilitate genuine learning and understanding. Treat each interaction as an opportunity to inspire curiosity and build confidence.

Conversations with your GPT can potentially include part or all of the instructions provided.

Close

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New Orange Prompt Engineering GPT 40 \sim

I need a prompt that I can use to write an engaging Linkedin posts based on a news article that I found.

Here's a prompt you can use to write an engaging LinkedIn post based on a news article, adapted from techniques in the AI Report Prompt Library:

Prompt:

You are a thoughtful LinkedIn content strategist. Your goal is to turn a recent news article into an insightful and engaging LinkedIn post. The tone should be professional yet human, sparking thoughtful discussion. Structure the post in three parts:

- **1.** Hook Start with a surprising fact, bold question, or emotional reaction to draw readers in.
- **2.** Insight Summarize the core of the article in your own words, then share a personal take or implication for your industry or role.
- **3.** Call to Conversation End with a genuine que \sqrt{h} or invitation for readers to share their perspectives.

Vibe Coding

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Prompt-driven development

Developers express intentions or requirements in plain language; the AI generates the code accordingly.

Iterative workflow

Users refine outputs by adjusting prompts, focusing on whether the result works rather than how it works.

AI as the lead developer

The human guides, tests, and iterates through prompts. The AI handles most or all code creation.

Emphasizes creativity and rapid prototyping

Encourages experimentation and quick iteration, often at the expense of code quality or maintainability.

Vibe Coding use case (Cursor)

1. Let ChatGPT write requirements

Help me write technical and functional requirements for a mobile app:
What it does:
The app is used to keep track of inventory in my fridge.
All my food containers have an NFC sticker on them.
When I put food in the fridge, I scan the NFC sticker with my app, then write down what is in the container.
The app then stores that information in a database (description, date, time).
When I take food out of the fridge, I scan it again, then the app tells me what is inside the container and when it was put in the fridge. I can choose to take it out of the fridge and then it's removed from the database.
Technology:
It must run on iOS and I will install it on my phones manually and not distribute it using the

app store (it is only used within my own family).

Choose whatever technology for coding / UI that you recommend. It must be best compatible with coding assistants because I will vibe code the whole thing.

Ask me questions to help refine the requirements

Absolutely, I can help you draft technical and functional requirements for your NFC-based fridge inventory mobile app. I'll start by asking a few questions to clarify your needs, and then I'll outline the requirements based on your answers.

Questions to Refine Requirements

- 1. NFC Integration:
 - · Do all iPhones in your family support NFC read/write? (Older models may have limited support.)
 - Should the app also support manual entry if NFC is unavailable?
- 2. User Accounts / Multi-User:
 - Will each family member have their own profile, or is it a shared list?
 - · Should the app track who added/removed items?
- 3. Food Details:
 - What data do you want to store per food item? (e.g., description, date, quantity, photo, expiration date)
 - Do you want the ability to add notes (e.g., "leftovers, spicy, contains nuts")?
- 4. Notifications / Reminders:
 - Should the app remind you when food has been in the fridge too long?
 - Would you like expiration date reminders?
- 5. Database / Data Sync:
 - Do you want the data only on-device, or synced across devices (e.g., using iCloud, Firebase, etc.)?
 - Do you need data backup or export (CSV, etc.)?

1. We have an iPhone 14 Pro Max and an iPhone 16. The app only has to support NFC, no manual entry (although the description that is linked to the NFC should be put it manually by the user)

- 2. Shared list, no tracking of user is needed
- 3. Description, portions, date, time
- 4. No notification, no reminders
- 5. Synced across devices using an option that is free
- 6. Simple view, nothing fancy. No dashboard, just the list of items
- 7. Security is no concern
- 8. Nothing of this kind is needed now
- 9. Choose whatever you think is best supported by coding agents. I have coding experience
- in a variety of languages.

Great—thanks for the clear answers! Here's a **detailed set of requirements** for your NFC fridge inventory app, structured for easy coding and future reference. I'll also recommend a tech stack at the end that's highly compatible with coding assistants and fast iteration.

Functional Requirements

High-Level Description

The NFC Fridge Inventory App is a mobile application designed for iOS devices, enabling users to efficiently track and manage the contents of their household fridge. Each food container is equipped with an NFC sticker. By scanning the NFC tag with the app, users can add new food items to the inventory, view details of existing items, and remove items when taken out. The inventory data is synced in real time across all devices used by the household, ensuring that everyone has an up-to-date view of the fridge contents.

1. Core Features

1.1. Add New Food Item

* User scans the NFC sticker on a food container with the app.

* The app prompts the user to enter:

- * **Description** (e.g., "Chicken Soup")
- * **Portions** (e.g., "2")

* The app automatically records the date and time of addition.

* The app stores all this information, linked to the unique NFC tag ID, in the inventory database.

1.2. Lookup Food Item

- * User scans the NFC sticker on a container.
- * The app displays:
- * Description
- * Portions
- * Date and time added

1.3. Remove Food Item

* User scans the NFC sticker when removing an item from the fridge.

* The app shows the item details.

* User confirms removal; the item is deleted from the shared inventory database.

1.4. View All Items

* The app provides a simple list view of all current fridge items:

- * Description
- * Portions
- * Date and time added

* The list updates in real time across all devices.

2. Sync and Storage

- * All inventory data is stored in a cloud database with real-time sync.
- * All changes are reflected across all household devices instantly.
- * No login or user profiles required; the inventory is shared.
- * Data persists after app closure or device restart.

3. NFC Integration

- * NFC scanning is required for all app actions (add, lookup, remove).
- * Each NFC tag's unique ID links to a single inventory entry.
- * When scanning a new tag, the app prompts for item info. When scanning a known tag, it retrieves stored data.

4. UI/UX

- * Interface is simple and functional; only essential features are shown.
- * List of fridge items is text-only, no photos or graphics.
- * Minimal steps per workflow; each action is streamlined.
- * No dashboards, notifications, or analytics features.

5. Security & Privacy

- * No user authentication required.
- * Data security and privacy are handled by the chosen cloud provider.
- * Intended for private household use only.

Technical Requirements

1. Platform

* iOS-only, installed via sideloading (Xcode, TestFlight, or Expo tools).

* No App Store distribution needed.

2. Recommended Technology Stack

- * **Frontend:** React Native with Expo (TypeScript preferred for code assist compatibility)
- * **NFC Integration:** `expo-nfc` or a compatible library
- * **Backend:** Firebase Firestore (real-time, free tier)
- * **Cloud Sync:** All inventory data synced in real time using Firebase

3. Data Model

- * Each inventory entry contains:
- * `nfc_id` (string): unique NFC tag identifier
- * `description` (string): item description
- * `portions` (number): quantity/portion count
- * `added_at` (timestamp): date and time of entry

4. Dependencies

* React Native / Expo SDK

* Expo NFC library

* Firebase (Firestore) SDK

5. Deployment

* App is built and deployed directly to household iPhones via manual install methods (no App Store submission)

* Standard provisioning profiles used for ad hoc or personal distribution

Vibe Coding use case: Cursor

Let Cursor (or similar tool) build the app:

Create codebase for app requirements

nfc_fridge_inventory_app_requi...

Create the codebase for the app using these requirements

S Restore checkpoint

+ 0 0 ...

Thought for 53 seconds

Of course. I will create the codebase for the NFC Fridge Inventory App based on the requirements you've provided. First, I will set up a new React Native project using Expo with the TypeScript template. This will create the basic structure of the application in the current directory.

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```
npx create-expo-app . --template "blank-typescript"
 added 657 packages, and audited 658 packages in 13s
 60 packages are looking for funding
   run `npm fund` for details
 found 0 vulnerabilities
 Vour project is ready!
 To run your project, run one of the following npm commands.
 - npm run android

    npm run ios

 - npm run web
Thought for 2 seconds
Great, the project is set up. Now, I will install the necessary dependencies for NFC functionality and the Firebase backend,
as outlined in the technical requirements.
 🖻 npx expo install expo-nfc firebase
 ruud@Ruuds-MacBook-Pro-2023 nfc-registration % npx expo install expo-nfc firebase
 > Installing 2 other packages using npm
 > npm install --save expo-nfc firebase
 added 68 packages, and audited 726 packages in 25s
 60 packages are looking for funding
   run `npm fund` for details
```

found 0 vulnerabilities
ruud@Ruuds-MacBook-Pro-2023 nfc-registration %

Thought for 3 seconds

Dependencies are installed. Now, to organize the code, I'll create the project structure, starting with the src directory, which will contain subdirectories for components, screens, services, hooks, types, and navigation.

🖻 mkdir src

Output

ruud@Ruuds-MacBook-Pro-2023 nfc-registration %

Thought for 2 seconds

src exists. I'll create its subdirectories now.

mkdir src/components src/screens src/services src/hooks src/types src/navigation

Output

ruud@Ruuds-MacBook-Pro-2023 nfc-registration %

... a few minutes later ...

<pre>> NFC-REGISTRATION > .expo 1 This is the NFC Fridge Inventory App, created with Expo based on you > assets 2 3 ### Getting Started </pre>	r requirements.		
Sexpo 1 This is the NFC Fridge Inventory App, created with Expo based on you 2 assets 2 docs 3 ### Getting Started	r requirements.		
> assets 2 > docs 3 ### Getting Started			
3 ### Getting Started			
<pre>requirements.md 5 1. **Install Dependencies:**</pre>			
> ios 6 Open a terminal in the project root and run:			
> node_modules 7 ```bash			
✓ src 8 npm install			
> components 10 > hooks 11 2. **Configure Firebase:**			
> navigation 12 Open `src/services/firebase.ts` and replace the placeholder value	es with your actual		
> screens Firebase project configuration.			
14 3. **Kun the App:**			
> types 15 Start the development server with: .env .env .i``bash			
 ♦ .gitignore 17 npx expo start 			
() app ison			
19 This will open Expo Dev Tools in your browser. You can then run	This will open Expo Dev Tools in your browser. You can then run the app on an iOS		
<pre>simulator or a physical iOS device using the Expo Go app. </pre>			
TS index.ts 21 **Note:** NFC functionality will only work on a physical iOS dev	ice, not on the		
<pre>{} package-lock.json</pre> simulator.			
A package ison			
23 ### Project Structure			
Image: Seconfig.json 24 Image: Seconfig.json 25			
26 fridge-inventory/			
27 - src/			
<pre>28 — components/ # Reusable components (currently empty)</pre>			
29 - hooks/ # Custom hooks (currently empty) 30 - navigation/ # Navigation setup (Stack Navigator)			
30 - navigation/ # Navigation setup (Stack Navigator) 31 - screens/ # App screens (HomeScreen, AddItemScreen, e	tc.)		
32 services/ # Firebase service			
33 L types/ # TypeScript type definitions			
34 App.tsx # Main application component			
35 La package.json # Project dependencies 36 ```			

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13:18

Fridge Inventory

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Fridge Inventory

Your fridge is empty. Scan an item to add it.

Add New Item	A	Add New Ite	
NFC Tag ID: 046659AAED4481	NFC	Tag ID: 046659AAED	
	Tomatensoep		
	Portions (e.g.,	2)	
Add Item Ready to Scan	×	Add Item	
	1	2 "BC	
Ready to Scan		2	
Ready to Scan	1 4	2 ^BC 5	

13:18

Scan NFC Tag

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Scan NFC Tag

1

K Fridge Inventory Item Deta	ils
------------------------------	-----

Item Details

Description: Tomatensoep Portions: 3 Added: 27/6/2025, 13:19:01

Ready to Scan Please tap NFC tags

×

Cancel

13:23	3		1 ? 🗩	
	Fridge In	ventory		
	Fridge In	ventory	/	
Nasi Portions: Added: 27				
Tomate Portions: Added: 27	3			
	Deleta Are you sure you "Tomate Cancel	u want to delete		
	Scan N	FC Tag		

Vibe Coding use case: Vercel v0

Building the Al Innovation Circle website without coding

NO / 🚯 Personal 🗧 / Al Innovation Cir 💲 / Al Innovation Circle Website 🔒 Private	② 양 Q Share Publish ~
Chat Design	Preview Code
💭 诺 Doel van de Website	〈 > 2 / 茶田 []
Een informatieve en visueel aantrekkelijke landingspagina die:	RI INNOVATION CIRCLEOver Voor wie Programma Sprekers Aanmelden Meld je aan
Het event goed positioneert binnen de digital/tech/AI community	
Bezoekers duidelijk maakt wat ze kunnen verwachten	
Gemakkelijk aanmelding en inschrijving mogelijk maakt	
Sprekers uitnodigt om zich aan te melden	
\mathscr{O} Structuur van de Pagina	A
Hero-sectie	
Titel: "Al Innovation Circle"	Innovation
Subtitel: "Avondevent voor tech- en Al-professionals in de digitale wereld"	
Call-to-Action: "Meld je aan voor de volgende editie"	Circle
Visual: Gebruik donkere achtergrond met visuele Al/metafoor (gebaseerd op stijl New Orange)	Circle
Wat is het?	Een Al community event
Ask a follow-up	voor developers en digital professionals
🚽 v0-1.5-md 🗸 🔶 🔨	
	Console

(Re)search: Perplexity

We are tasked with building a website for a community event about AI innovation aimed at developers.

Search what tools I can best use to automate this task as much as possible. I want to generate the foundation (design and code) of the website by prompting. The code must be managed in GitHub and the website will be hosted on Vercel. When editing the code after it has been generated, I prefer to use a tool with agentic AI capability.

What tools and services do you recommend that best fit my requirements? Only suggest the best fit tool for each purpose.

Serplexity

- Searching for the best tool to generate website foundation (design and code) by prompting
- Searching for the best tool to manage code in GitHub with agentic AI capability for editing
- Searching for the best service to host the website on Vercel Searching reddit
- Finalizing and selecting the best fit tools and services for the user's requirements

Perplexity result:

To automate the creation of a website for a community event about AI innovation aimed at developers—with promptbased generation, GitHub code management, Vercel hosting, and agentic AI code editing—here are the best-fit tools for each requirement:

Website Foundation Generation (Design & Code)

Best Tool: Vercel v0

- **Why:** v0 by Vercel allows you to generate production-ready React (Next.js) code from a simple prompt. It's • specifically designed for developers who want to go from idea to code quickly, and it integrates seamlessly with Vercel for deployment. The generated code uses popular component libraries (e.g., shadcn/ui), and you can export or push the code directly to GitHub for version control.
- **How it works:** Enter a prompt describing your site (e.g., "A community event website about AI innovation for developers"), and vO generates a codebase with pages, components, and layouts. You can then refine the prompt or manually tweak the code as needed.
- **Bonus:** Because it's from Vercel, you get first-class support for deploying to Vercel and managing code in GitHub. •

Code Management

Best Tool: GitHub

- **Why:** GitHub is the industry standard for code version control and collaboration. It integrates natively with both vO • and Vercel, allowing for automated deployments on every push. You get features like pull requests, branch management, and code review.
- How it works: Connect your GitHub repository to both vO (for code export) and Vercel (for deployment). Every code update is tracked, and Vercel can build and preview each commit automatically.

Hosting

Best Tool: Vercel

- Why: Vercel is optimized for Next.js (the framework used by v0), provides instant deployments, automatic scaling, and a streamlined CI/CD workflow. It integrates directly with GitHub for continuous deployment and offers a generous free tier for community/non-commercial projects.
- How it works: Link your GitHub repo to Vercel. Every push triggers a build and deployment. You get preview URLs • for every branch or pull request, making collaboration and review easy.

Agentic AI Code Editing

Best Tool: GitHub Copilot (Agent Mode)

- Why: GitHub Copilot's agent mode is the leading tool for agentic AI coding. It can autonomously perform multi-step coding tasks, refactor code across multiple files, execute terminal commands (with approval), and assist with debugging—all within your preferred IDE (e.g., VS Code).
- How it works: After generating your initial codebase, use Copilot in VS Code. In agent mode, you can prompt Copilot to "refactor this project for accessibility" or "add a registration form," and it will plan and execute the changes, showing you diffs for approval before committing.

Summary Table

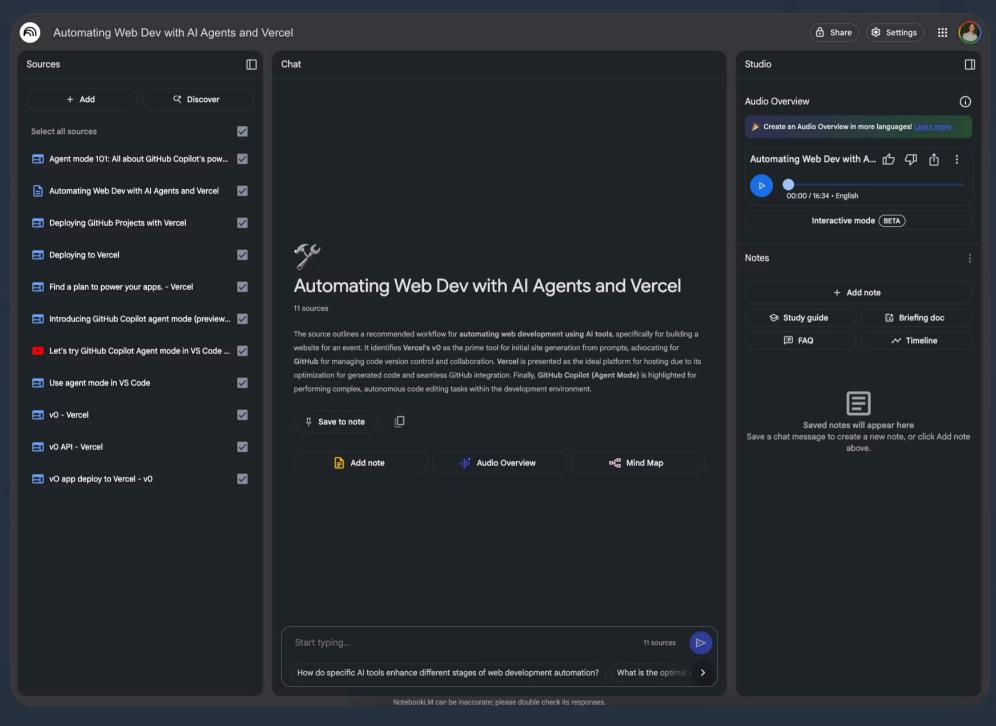
Purpose	Best Tool	Why
Foundation generation	v0 (by Vercel)	Prompt-to-production React/Next.js code, easy export to GitHub, optimized for Vercel
Code management	GitHub	Industry standard, integrates with vO and Vercel, supports CI/CD
Hosting	Vercel	Native Next.js support, instant deploys, auto-scaling, GitHub integration
Agentic Al code editing	GitHub Copilot (Agent Mode)	Autonomous multi-file edits, terminal integration, deep IDE support

Workflow Overview

- 1. **Generate site foundation:** Use v0 to prompt-generate your event site codebase.
- 2. **Export to GitHub:** Push the generated code to a new GitHub repository.
- 3. **Connect to Vercel:** Link your GitHub repo to Vercel for automatic deployments.
- 4. Edit with agentic AI: Use GitHub Copilot (Agent Mode) in VS Code for advanced, prompt-driven code edits and refactoring.

Digest results and learn more: NotebookLM

Paste Perplexity's answer into **NotebookLM**, use it to discover a few sources about what the answer describes (Vercel vO and Copilot Agent Mode). Then create an Audio Overview (Podcast) about those topics.





🚖 Spotify for Creators

Automating Web Dev with AI Agents and Vercel by New Orange W...

Automating Web Dev with AI Agents and Verce

Create presentations faster: Gamma

Paste in text

What would you like to create?



Paste in the notes, outline or text content you'd like to use

To automate the creation of a website for a community event about AI innovation aimed at developers—with prompt-based generation, GitHub code management, Vercel hosting, and agentic AI code editing—here are the best–fit tools for each requirement:

Website Foundation Generation (Design & Code)

Best Tool: Vercel v0

- Why: v0 by Vercel allows you to generate production-ready React (Next.js) code from a simple prompt. It's specifically designed for developers who want to go from idea to code quickly, and it integrates seamlessly with Vercel for deployment. The generated code uses popular component libraries (e.g., shadcn/ui), and you can export or push the code directly to GitHub for version control.
- How it works: Enter a prompt describing your site (e.g., "A community event website about Al innovation for developers"), and v0 generates a codebase with pages, components, and layouts. You can then refine the prompt or manually tweak the code as needed.

ିଦ୍ରି: Optional: card–by–card control

Know what you want on each card? Add three dashes --- between each section.

Example:

Intro to our new strategy

Key point 1
Key point 2
Key point 3

Key metrics from Q1
Key point 1
Key point 2
Key point 3

Next steps + ownership
Key point 1

?

Bonus: Because it's from Vercel, you get first-class support for deploying to Ve

RI INNOVATION CIRCLE

- Back	Prompt editor	
ttings 🗓	Content 🕄	Additional instructions
Text content	 Freeform Card-by-card To automate the creation of a website for a community event about Al innovation aimed at developers—with prompt-based generation, GitHub code management, Vercel hosting, and agentic Al code editing—here are the best-fit tools for each requirement: Website Foundation Generation (Design & Code) Eset Too: Vercel v0 Why: v0 by Vercel allows you to generate production-ready React (Next.js) code from a simple prompt. It's specifically designed for developers who want to go from idea to code quickly, and it integrates seamlessly with Vercel for deployment. The generated code uses popular component libraries (e.g., shadon/ui), and you can export or push the code directly to GitHub for version control. How it works: Enter a prompt describing your site (e.g., "A community event website about Al innovation for developers"), and v0 generates a codebase with pages, components, and layouts. You can then refine the prompt or manually tweak the code as needed. Bonus: Because it's from Vercel, you get first-class support for deploying to Vercel and managing code in GitHub. Code Management Eset Tooi: GitHub 	Optional Tips Ereeform Treeform lets you scale or shrink your content into as many cards as you want. For example, you can turn a long document into a concise presentation.
- Madadaada	• Why: GitHub is the industry standard for code version control and collaboration. It	
	− 8 cards + Continue →	?



This is a heading



Hello 👋

This is a theme preview

This is body text. You can change your fonts, colors and images later in the theme editor. You can also create your own custom branded theme.

<u>This is a link.</u>

is is a smart layout: it acts a text box.

Primary button Secondary buttor

bigger

This is body text. You can change your fonts, colors and images later in the theme editor. You can also create your own custom branded theme. What's more you can create multiple themes and switch between them at any time.

Pick a theme	1222	
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AI INNOVATION CIRCLE



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Automating Website Creation for Developer Events

A streamlined workflow using prompt-based generation, GitHub version control, Vercel hosting, and agentic Al code editing to rapidly deploy community event websites.

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Website Foundation Generation

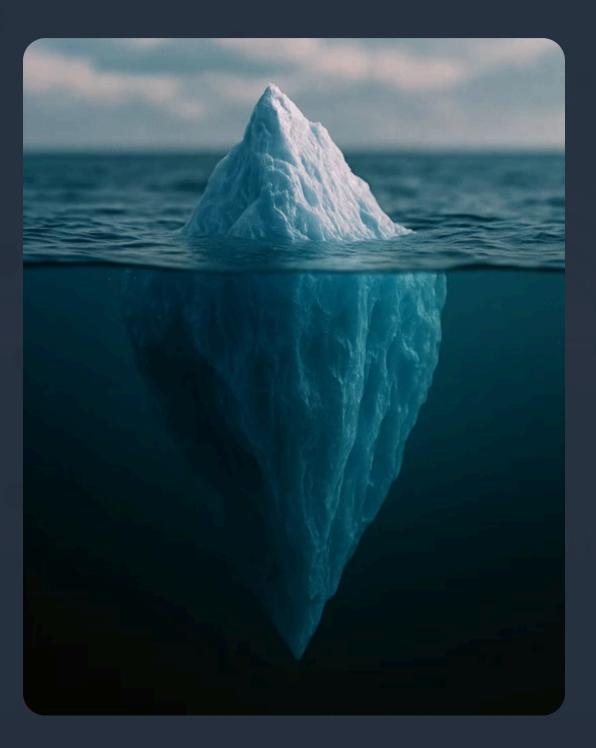
RI INNOVATION CIRCLE

Vercel vO: Prompt to Production Code



View presentation in Gamma

Just the tip of the iceberg... (and the reason we are here today)



Acquire an Al-enhanced skill set

The modern tech professional needs to balance traditional fundamentals with emerging AI capabilities



Traditional Skills

- Programming fundamentals
- System design
- Problem solving
- Debugging



AI-enhanced Skills

- Prompt engineering
- AI tool selection
- Human-AI collaboration
- Al output validation
- Rapid prototyping

You have a choice

Ignore what is happening

Do nothing and risk becoming irrelevant within the next couple of years.

Which one do you pick?

Embrace the AI revolution

Fully utilize the power of AI to get ahead of the pack and thrive in the future!





Let's embrace the Al revolution together!