

[Prompt Engineering](#)

# Prompts & Integrations

Enhance your apps with powerful built-in integrations

Lovable offers a wide range of built-in integrations to empower your applications with advanced capabilities. Whether you need AI-powered processing, document automation, or UI enhancements, Lovable has you covered.

 You'll need to set up your own API key to use these integration in Lovable.

## How to set-up an OpenAI API key?




## AI & LLMs


Integrate leading AI models to build intelligent applications that enhance user experience, automate workflows, and generate content:

- **OpenAI's model** – Ideal for summarization, analysis, and content generation. Fast and reliable.
- **Anthropic's latest model** – Excels in complex reasoning and deep analysis.
- **Google's latest model** – Strong in logical reasoning and long-context processing.
- **Groq** – The fastest AI model in Create, powered by Llama 3.
- **Cohere Command R+** – Scalable LLM designed for business applications.

Example prompts to get started:

 Build a grammar-enhancing writing assistant using `[AI model]` .






 Create a chatbot that provides customer support using `[AI model]` .

 Develop an AI-powered research assistant with `[AI model]` .

 Build an app that uses `[AI model]` for text analysis.

 Create a tool that uses `[AI model]` for content generation.

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 Make a research assistant with `[AI model]` . Create a tool that uses `[AI model]` for real-time analysis. Build a chatbot that uses `[AI model]` for quick responses. Make an app that uses `[AI model]` for text processing. Build an app that uses `[AI model]` for content analysis. Create a tool that uses `[AI model]` for writing assistance. Make a research helper with `[AI model]` . Create a tool that uses `[AI model]` to explain complex topics Make a writing assistant that uses `[AI Model]` for essay structure. Make a tool that uses `[AI model]` for real-time text analysis. Generate blog posts and display them using `[Markdown Renderer]` . Build a wiki that uses `[Markdown Renderer]` to display AI-generated content from `[AI model]`.

## Images & Vision

Leverage cutting-edge vision APIs for image analysis, enhancement, and generation. Lovable supports:

- GPT-4 Vision
- Stable Diffusion
- DALL-E
- Pexels
- Exa
- among others.

**Example prompts to get started:**

 Let users upload photos and analyze them using `[AI model]` . Generate high-quality product photos with AI enhancements.

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📘 Create a tool that uses [AI model] for logo generation.

📘 Let users describe art and use [AI model] to generate it.

📘 Create AI-generated artwork based on descriptions.

📘 Find stock photos of specific objects using Pexels .

📘 Find me a video of a dog playing fetch with Pexels .

📘 Retrieve the latest AI research papers with Exa .

📘 Get latest tech news articles with Eva .

📘 Detect faces and emotions in images.

📘 Improve image resolution automatically.

## UI Components

For accessible design and reusable UI components, we recommend using:

- 21st.dev
- Chakra UI
- shadcn/ui.

See our [best Tailwind CSS components guide](#) for more.

### Example prompts to get started:

📘 Add a form using [Chakra UI] components.

📘 Build a dashboard with [Chakra UI] layout.

📘 Create a responsive navbar using [shadcn/ui] .

📘 Use the [shadcn/ui] dialog component for a popup form.

📘 Develop a settings panel using [shadcn/ui] .

📘 Implement a calendar component for scheduling.


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## Audio processing


Eleven Labs is a top choice for high-quality integrations.


- Convert speech to text
- Generate natural-sounding voices
- Enhance audio files


### Example prompts to get started:


 Convert uploaded audio files to text using audio transcription.

 Build a podcast transcription tool.

 Read content aloud using Text-to-Speech.

 Develop an audiobook creator.

 Transcribe and summarize meeting recordings.

 Implement voice-controlled UI interactions.


 Generate lifelike synthetic voices.


## Maps


Using `Mapbox`, `Google Maps`, and `Weather APIs` , enhance your applications with:


- geolocation
- mapping
- business insights


### Example prompts to get started:

 Display store locations on a map with `[Mapbox]` .

 Create a delivery tracking system with real-time updates.

 Build a property listing app using `[Google Maps]` .

 Find restaurants using `[Google business data]`.

 Build a local business directory with `[Google business data]` .

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ⓘ Show real-time weather updates using `[Weather API]` .

ⓘ Implement a route planner for travel optimization.

## Documents

You can:

- create and download PDFs programmatically
- extract and convert text from PDFs
- process scanned documents
- transform files between various formats
- generate QR codes for links, data, and business applications

### Example prompts to get started:

ⓘ Let users fill out a form and use `[PDF Generation]` to download it.

ⓘ Generate invoices as PDFs using `[PDF Generation]` .

ⓘ Create a resume builder that exports to PDF.

ⓘ Extract text from scanned documents with `[PDF Parser]` .

ⓘ Build a document analyzer with `[PDF Parser]`.

ⓘ Create a PDF search tool using `[PDF Parser]`.

ⓘ Let users scan documents with `[Document Scanner]`.

ⓘ Build a receipt tracker using `[Document Scanner]`.

ⓘ Convert PDFs to images with `[File Conversion]` .

ⓘ Build a document converter with `[File Conversion]` .

ⓘ Generate QR codes for links and business details.

ⓘ Make a URL shortener with QR codes using `[QR Code]` .

## Media & Entertainment

You can:

- retrieve media data
- track sports stats
- search for movies, TV shows, anime, and books

### Example prompts to get started:

Build a movie recommendation system using [TMDb] .

Track upcoming TV shows with [Movies and TV Series] .

Make a watchlist app with [Movies and TV Series / TMDb] .

Find details on “The Dark Knight” using [TMDb] .

Build an anime discovery tool.

Create a manga reading list.

Make an anime recommendation system.

Create a fantasy [Sport] prediction app.

Create a fantasy [Sport] helper.

Make a game prediction tool.

Build a book discovery app with [Book Search] .

Create a reading list manager.

Develop a personalized book recommendation engine.

## Web Tools

You can:

- extract valuable insights from any website
- seamlessly translate text between languages

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📘 Scrape top search results from `[Google Search]` using `[Web Scraper]` .

📘 Translate text dynamically using `[Google Translate]` .

📘 Build a language learning app using `[Google Translate]` .

📘 Search the web using `[Google Search]` .

📘 Build a trending topic analyzer with `[Google Search]` .

📘 Find images using `[Google Image Search]` .

📘 Create a visual research assistant using `[Google Image Search]` .

📘 Automate competitor analysis by extracting key data from websites.

📘 Develop a web scraping tool for market research.

## Business

You can seamlessly:

- calculate accurate sales tax
- conduct in-depth search term analysis
- create interactive and dynamic data visualizations
- validate email addresses in real-time
- check domain information
- detect harmful or offensive content
- integrate chat and notification features
- send transactional emails
- efficiently manage email campaigns with built-in automation
















Example prompts to get started:

📘 Calculate order totals with `[US Sales Tax Calculator]` .

📘 Build an e-commerce checkout.

📘 Create a pricing tool.

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-  Create an SEO analyzer.
-  Display sales data in a Charts line graph.
-  Create an analytics page.
-  Check email addresses and create an email validation system.
-  Build a signup form with `[GitHub]` .
-  Build a domain inspector tool using `[Domain Inspector]` .
-  Build a safe chat app using `[OpenAI Moderation]` .
-  Send order confirmations via `[Line]` .
-  Create a broadcast system using `[Line]`.
-  Send order confirmations with `[Resend]` .
-  Create a newsletter system with `[Resend]` .
-  Validate email addresses using `[NeverBounce]` .
-  When using `[NeverBounce]` , check if these emails are valid and save the results.
-  Develop an automated sales forecasting tool.
-  Implement AI-driven lead scoring.

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 Yes

 No