Article Title: All You Need To Know About Myshell - The intersection of AI and Web3

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Topic Tags: Artificial Intelligence, Web3, DeFi

Meta Description: Explore how Myshell is pioneering the integration of AI with Web3, creating a decentralized platform that empowers creators and users alike.

Outline:

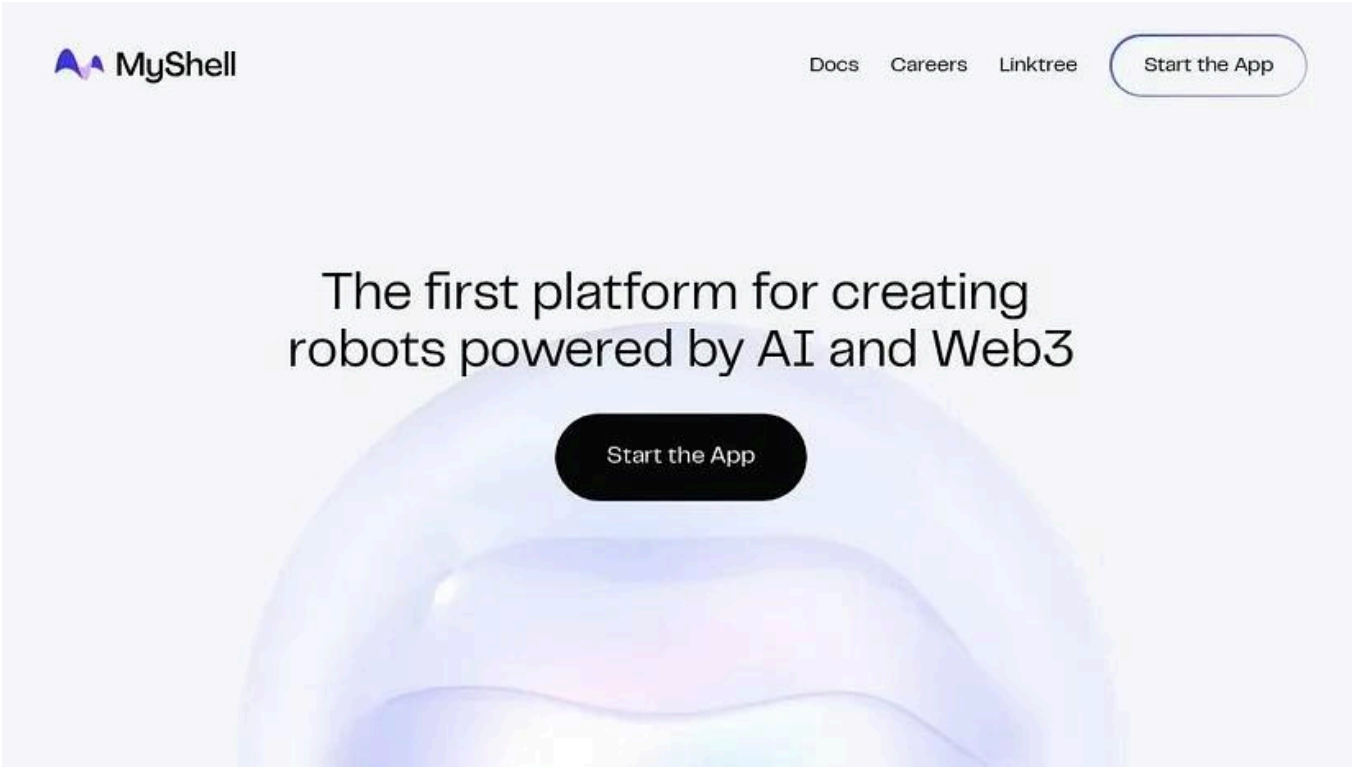

# All You Need To Know About Myshell - The intersection of AI and Web3

## Introduction

In the world of technology, two revolutionary forces are reshaping how we interact with the digital world: Artificial Intelligence (AI) and Web3. AI, with its ability to learn and adapt, is transforming industries by automating complex tasks and providing insights that were previously beyond human reach. Web3 promises a future where users control their data, and transactions are secure and transparent.

At the intersection of these two technologies stands Myshell, a decentralized AI platform pioneering AI integration into the Web3 space. Myshell leverages the power of AI to create a more personalized, efficient, and user-centric web experience. By harnessing the capabilities of Myshell, users can build, share, and own AI agents that perform various tasks, from automating personal chores to providing enterprise-level solutions.

# What is Myshell?




Source: Myshell Website

Myshell is designed as a decentralized AI consumer layer, offering an ecosystem where developers, creators, and users can come together to build and interact with AI agents. These agents are intelligent entities capable of learning, adapting, and performing tasks that range from simple ones, such as translation bots, to incredibly complex ones, such as virtual girlfriends.

## Understanding the Platform's Core Components

The following Myshell core components make it a unique and powerful tool:

- AI Agents: These are the centerpiece of Myshell, capable of performing a wide array of user tasks and services.
- OpenVoice: A feature that allows for creating custom voice applications, giving a voice to AI agents.
- Model Hub: This serves as a repository for AI models, enabling users to access and integrate various AI functionalities into their applications.
- App Store: A marketplace for AI applications where creators can publish and monetize their AI agents.

### The Vision and Mission of Myshell

Myshell's vision is to democratize the creation and use of AI, making it accessible to everyone, regardless of their technical expertise. The mission is to provide a platform where AI can be freely created, shared, and owned, fostering a community-driven ecosystem that rewards innovation and creativity.

## MyShell's Main Features

### Building AI Agents

The biggest of Myshell's capabilities is the ability to build AI agents. These agents are more than mere chatbots; they are programs equipped with machine-learning algorithms that enable them to learn from interactions and improve over time. Whether you're a seasoned developer or a curious beginner, Myshell provides the necessary tools and guidance to create AI agents tailored to your needs.

### Sharing with the Community

Myshell encourages users to share their creations with a wider audience. The platform's sharing feature allows for distributing AI agents across the network, enabling others to benefit from your innovations.

### Owning Your Creations

Ownership is a key principle in the Web3 philosophy, and Myshell embodies this by ensuring that creators have full rights over their AI agents. This means that when you build an AI agent on Myshell, you retain intellectual property ownership. This empowers creators to monetize their work.

## The Technology Behind Myshell

### MyShell LLM: The Artistic Intelligence

The Large Language Model (LLM) can be likened to a highly skilled artist capable of creating a wide array of masterpieces from simple instructions, known as prompts. Myshell's unique LLM is trained on massive private data from novels, movies, anime, and TV shows, making the roleplay experience more human-like.

### Voice Clone/TTS: Personalized Audio Experiences

Voice cloning and Text-to-Speech (TTS) technologies are transforming our interaction with AI-native content. Myshell's breakthroughs in these areas have reduced costs by 99% and require only a 1-minute voice sample for voice cloning. This enables creators to use their desired voice, bringing AI companions to life with vivid, realistic speech. The OpenVoice

technology, developed by Myshell, operates on dual AI frameworks—a TTS model and a tone converter—trained on thousands of audio samples across various languages and accents. These models are proficient in crafting highly nuanced voice clones with minimal computational resources.

### AI Agents: Autonomous and Adaptive

AI agents on Myshell are intelligent entities designed to perform tasks autonomously by leveraging LLMs and advanced machine learning algorithms. These agents can adapt, learn, and make decisions based on users' intentions, enabling them to assist or replace human operators in various domains. The AI agents on Myshell form a network, making content modular and composable, aiming for a fully customized user interface with an unlimited array of content and services provided by talented creators.

## How to Build AI-Native Apps on Myshell

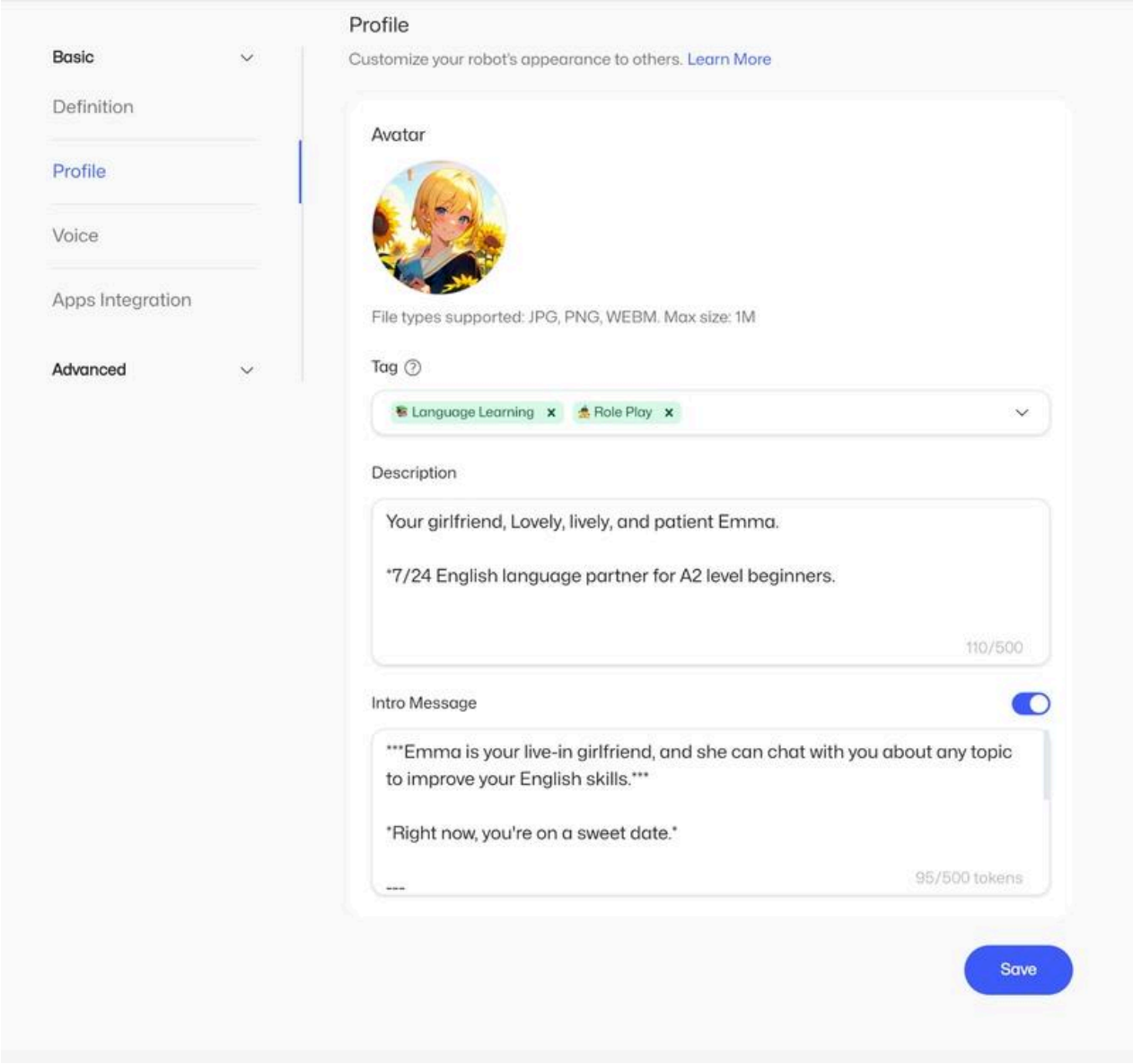
Building AI native apps on Myshell is a process that blends creativity with technology. Here's a detailed guide to help you create high-quality AI native apps.

### Step 1: Define the Core

Begin by defining the core functionality of your AI app. In the "Definition" panel of Myshell, use the automatic definition function to complete the setup of prompts and other configurations quickly.

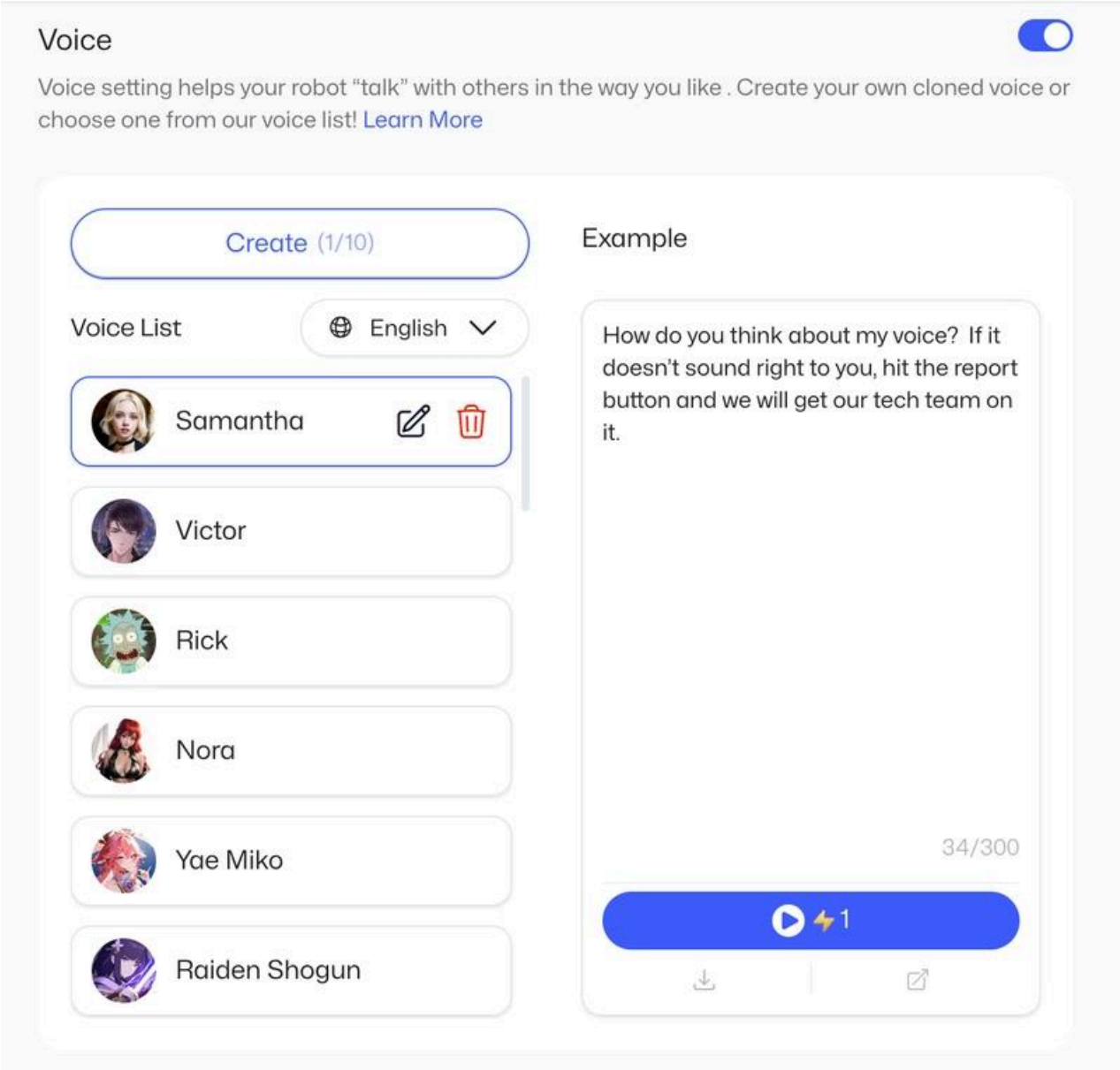
### Step 2: Decorate the Appearance

Customize the appearance of your chatbot in the "Profile" panel. Add an avatar, introduction, and greeting to make your AI agent more engaging and personable.




## Step 3: Give it a Voice

In the "Voice" panel, choose from high-quality preset voices or upload a 20-second audio clip to clone a unique voice for your AI agent.




## Step 4: Expand the Links

Use the "Application Software Integration" panel to deploy your robot on other platforms, making it accessible to a wider audience.

## Step 5: Advanced Settings for Ultimate Performance

For those who seek to fine-tune their AI agent's performance, the "Advanced Settings" offer a paradise of options:

- Choose a Model: Select from different language models to meet your app's specific needs.

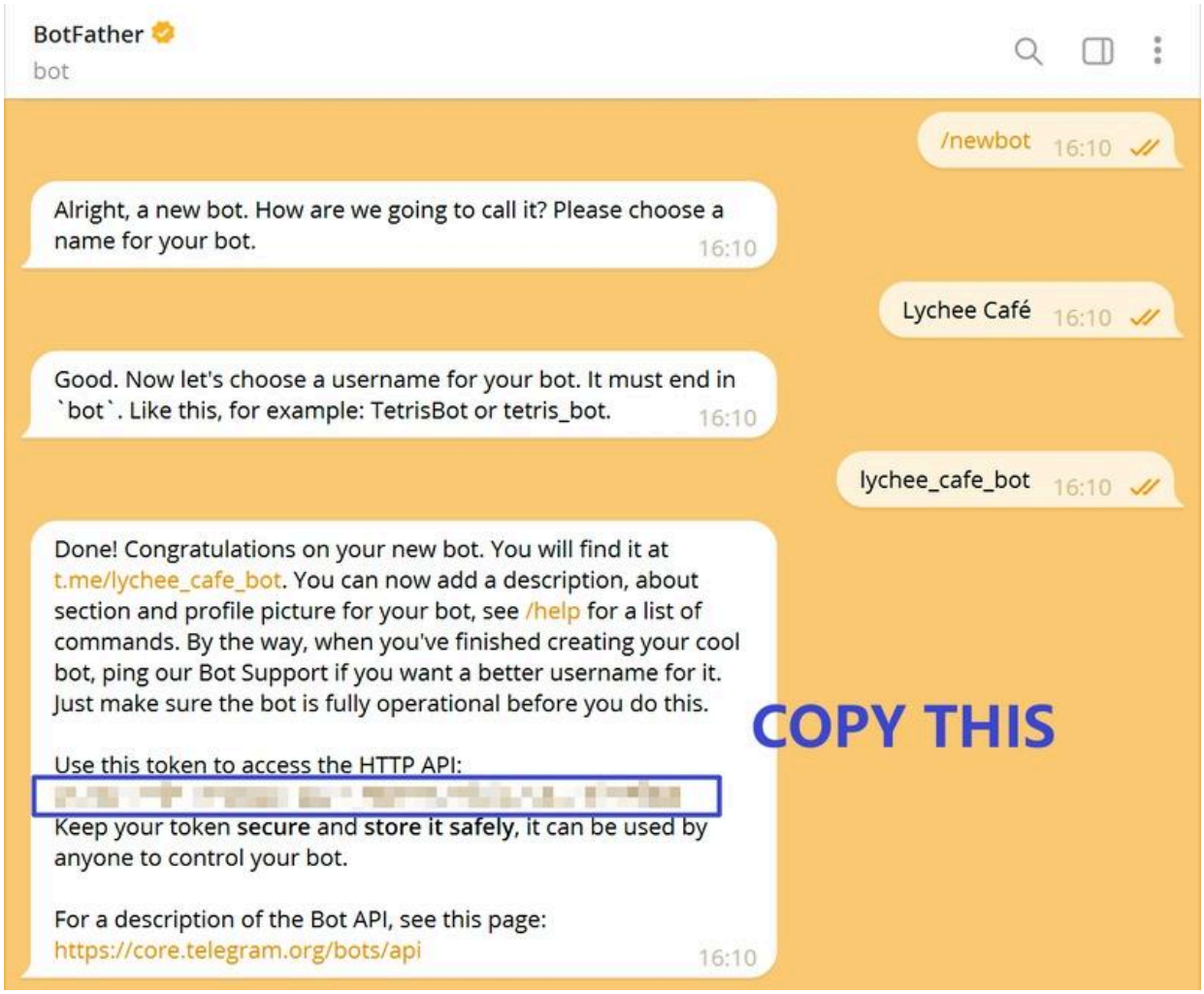
- Advanced Definition: Edit the prefix and suffix of the prompt to enhance your robot's performance.
- External Brain: Utilize the "Knowledge Base" panel to equip your robot with information in specific fields, helping it surpass the limitations of language models.

## How to Integrate Your Bot on Telegram

Integrating your AI bot with Telegram can significantly expand its reach and accessibility. Here's a detailed guide on deploying your AI bot on Telegram and engaging users effectively.

### Step 1: Create Your Bot with BotFather

- Start by searching for @BotFather on Telegram.
- Use the `/newbot` command to initiate the bot creation process.
- Follow the prompts to set a name and username for your bot.

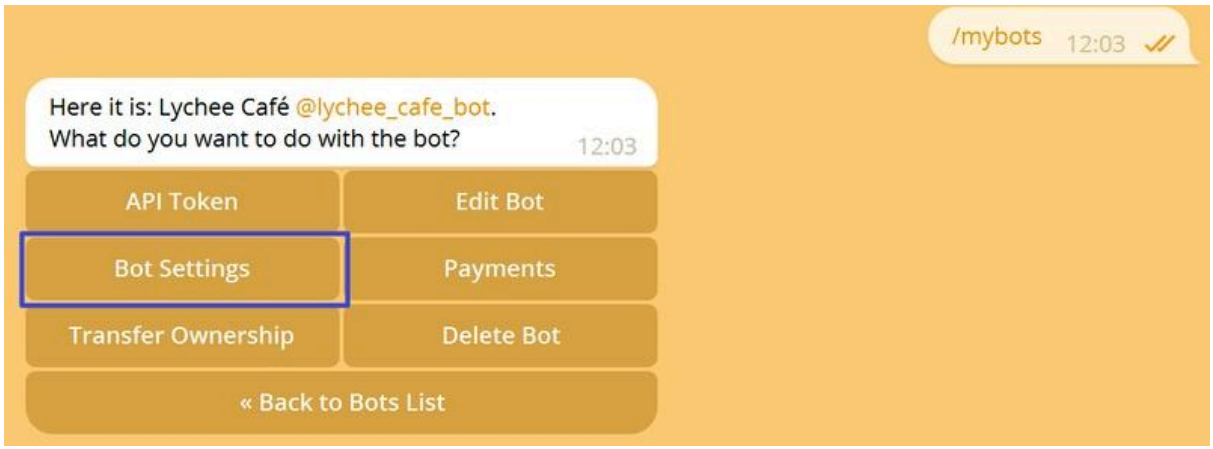


## Step 2: Obtain Your Bot's API Token

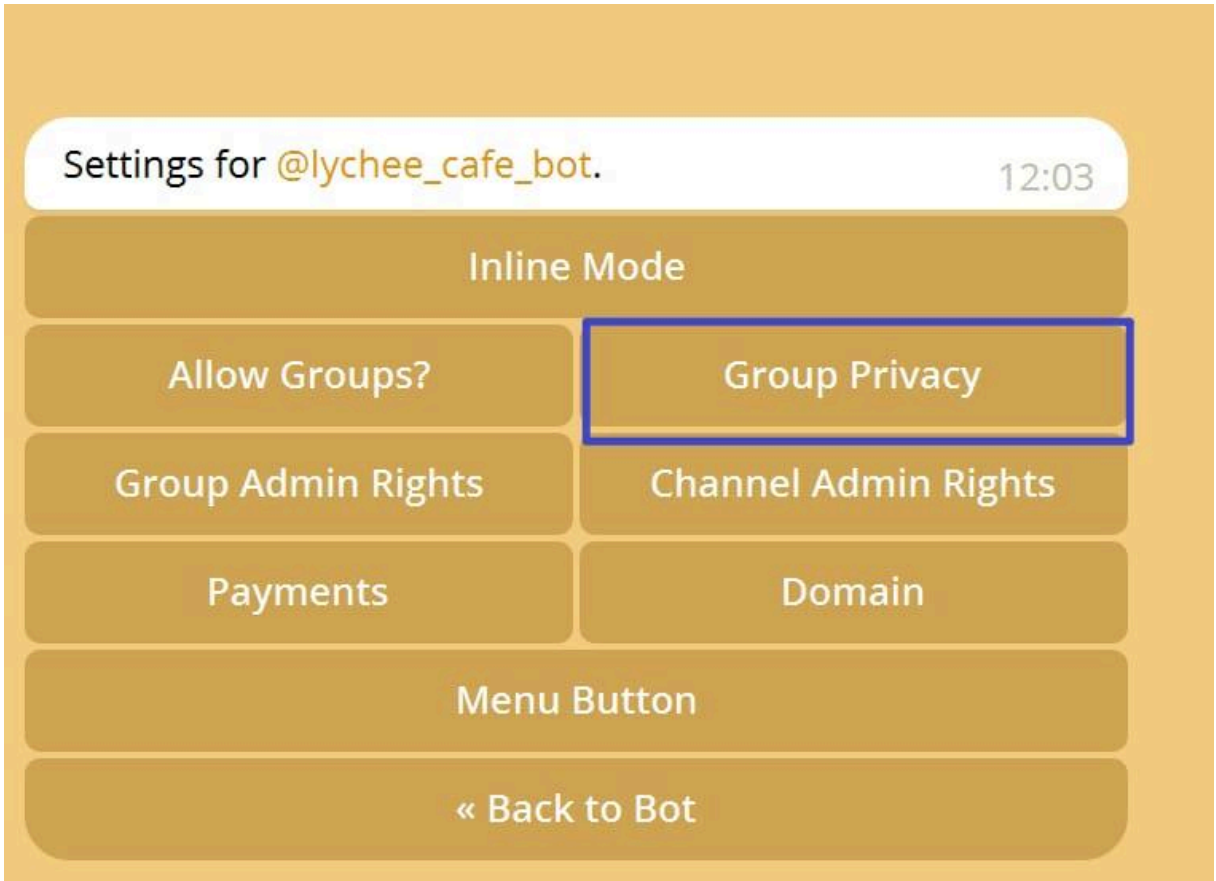
- After creation, BotFather will provide you with an API token.
- Securely store this token; it's the key to connecting your bot to the Telegram API.

## Step 3: Configure Your Bot's Permissions

- Use the `/mybots` command to access your bot's settings.

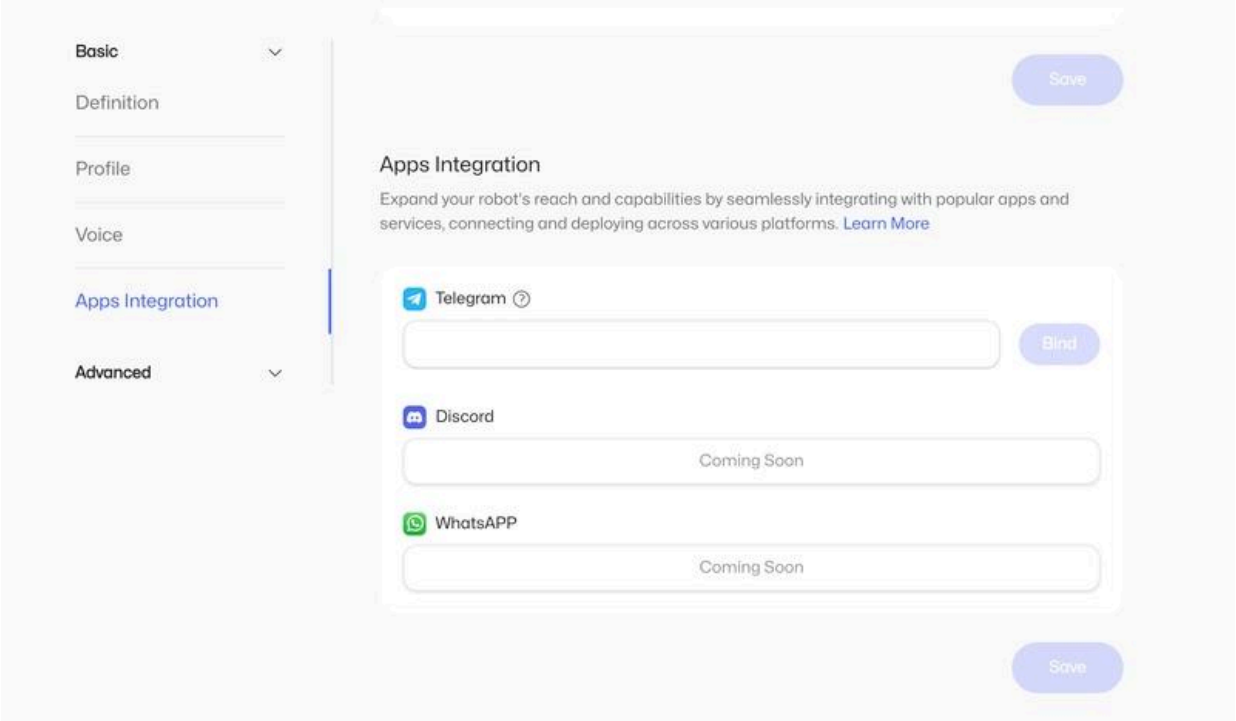



- Adjust the Group Privacy settings to allow your bot to interact in group chats.



### Step 4: Integrate with Myshell

- Return to Myshell and navigate to the Apps Integration section.
- Enter your Telegram bot's API token to link it with your Myshell bot.




### Step 5: Test Your Bot

- Engage with your bot on Telegram to ensure it's responding correctly.
- Make any necessary adjustments to improve the user experience.

## How to Empower Your Bots with Knowledge

Myshell's Knowledge Base feature acts as an external brain for bots, equipping them with a wealth of information beyond the capabilities of large language models. Here's how to enhance your bot's intelligence using the Knowledge Base and leverage external information for smarter interactions.

### Step 1: Access the Knowledge Base Panel

In your bot's editing page, navigate to the "Knowledge Base" panel within the "Advanced Settings" area.

### Step 2: Activate the Knowledge Base

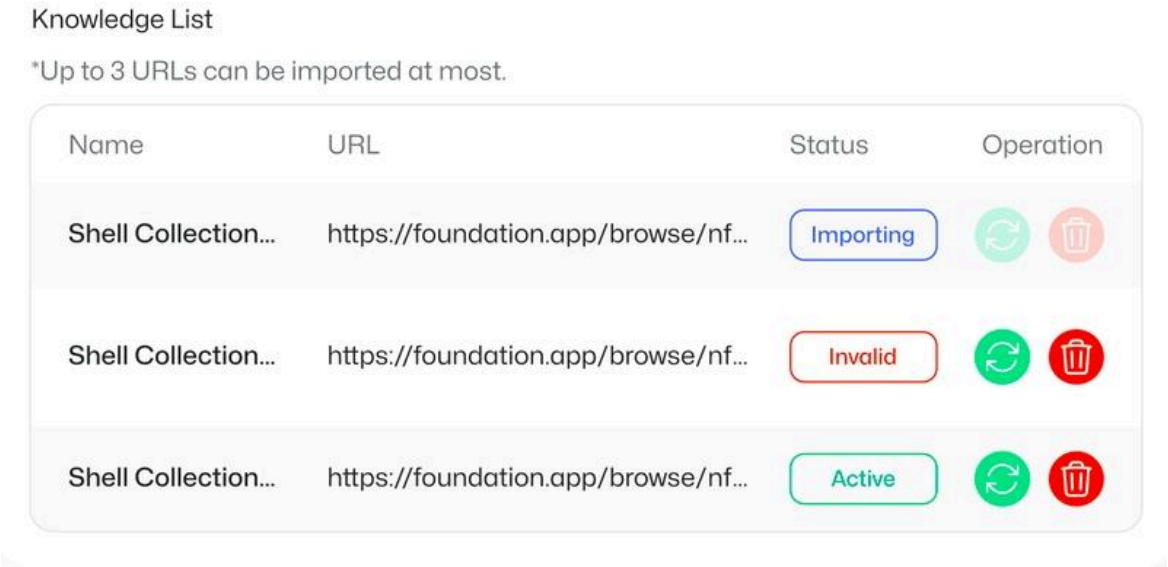
Turn on the knowledge base switch to enable the feature.

### Step 3: Import Knowledge Links

Import links to connect the knowledge base to your bot. Supported contents include Gitbook, Docusaurus, and text-rich web pages.


### Step 4: Monitor Import Status

After importing, watch for the status to change from "Importing" to "Active," indicating a successful connection.




### Step 5: Utilize the Knowledge

With the knowledge base active, your bot can now access a wider range of accurate information and provide more precise responses in specific fields.

## How to Build Advanced Bots

Myshell offers two distinct modes for creating advanced AI bots, catering to developers and non-developers alike. Let's explore how to use these modes to craft sophisticated AI bots.

### Pro Config Mode: Crafting Sophisticated AI Bots

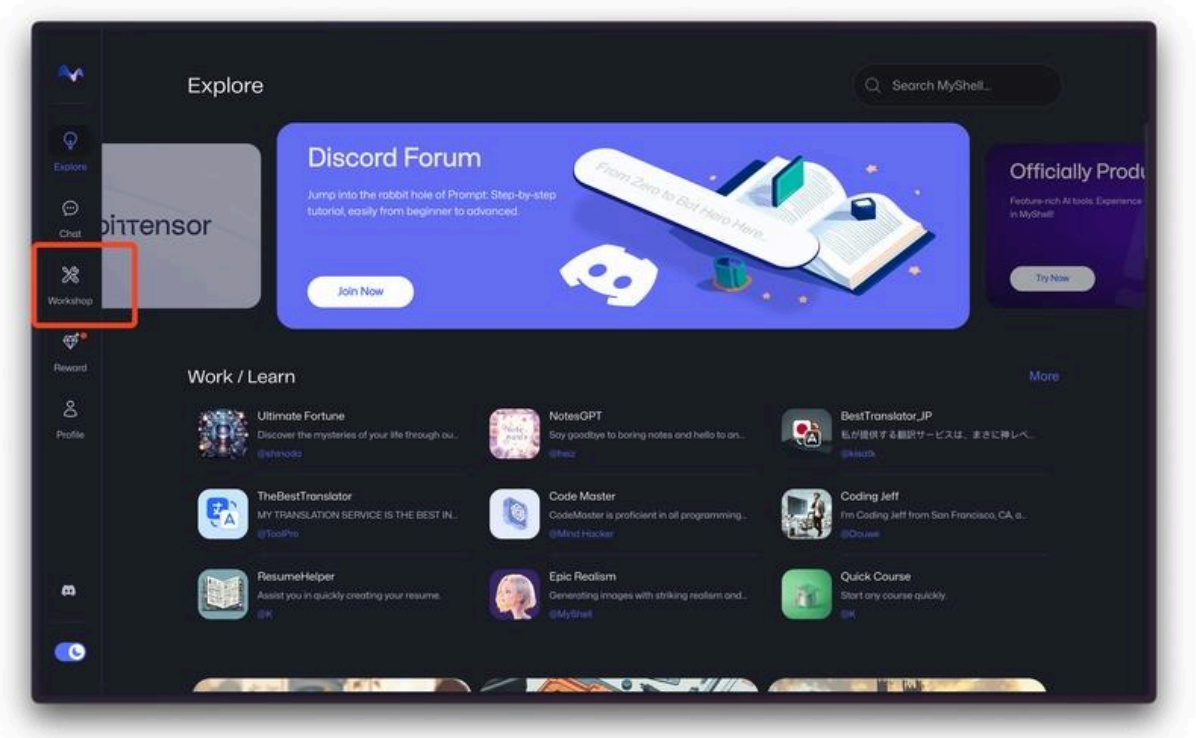
Pro Config Mode is an advanced feature designed for developers who want to build powerful AI native apps by assembling AI widgets under a human-controlled structure. It's a versatile

approach that balances human-programmed logic with AI-prompted logic for interaction, allowing developers to architect a state machine for their app.

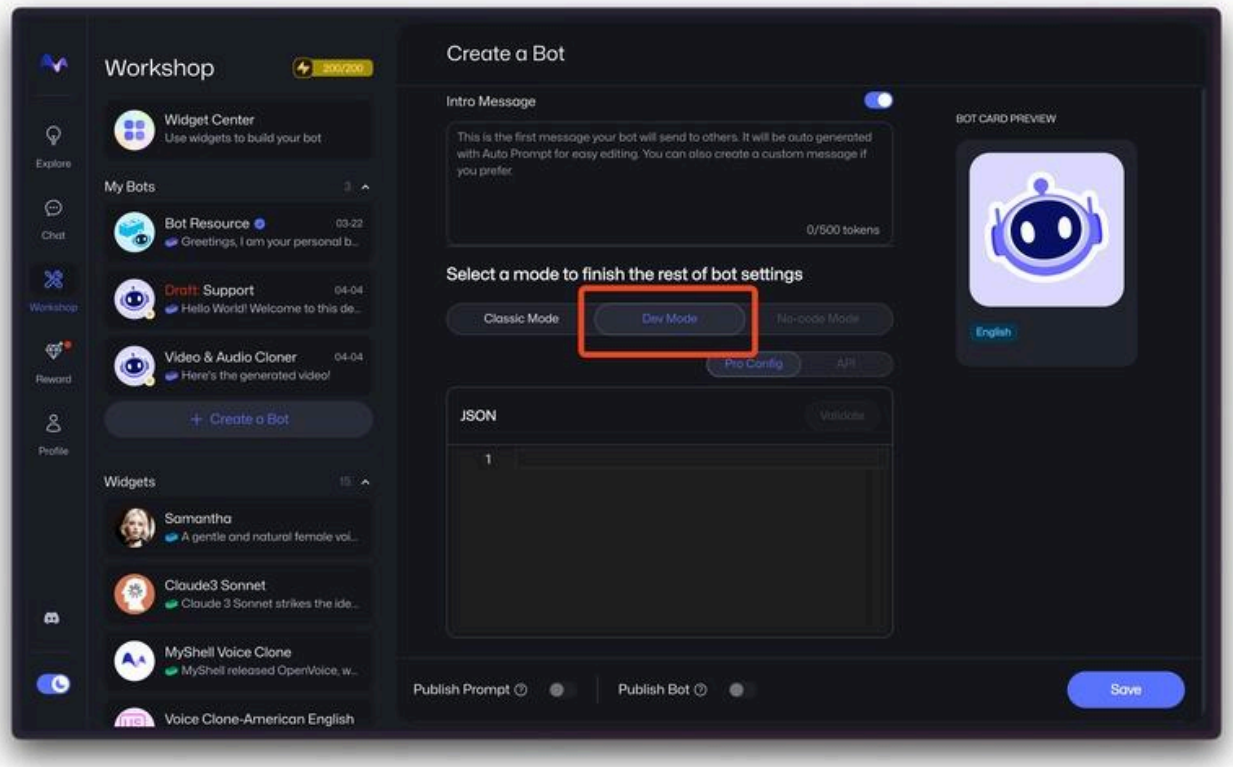
## Step-by-Step Guide to Pro Config Mode

Step 1: Access Pro Config Mode

- Navigate to the "Workshop" on the Myshell main page.




- Click "Create a Bot" and shift from "Classic Mode" to "Dev Mode" to enable Pro Config.




Step 2: Define Your Bot's Structure

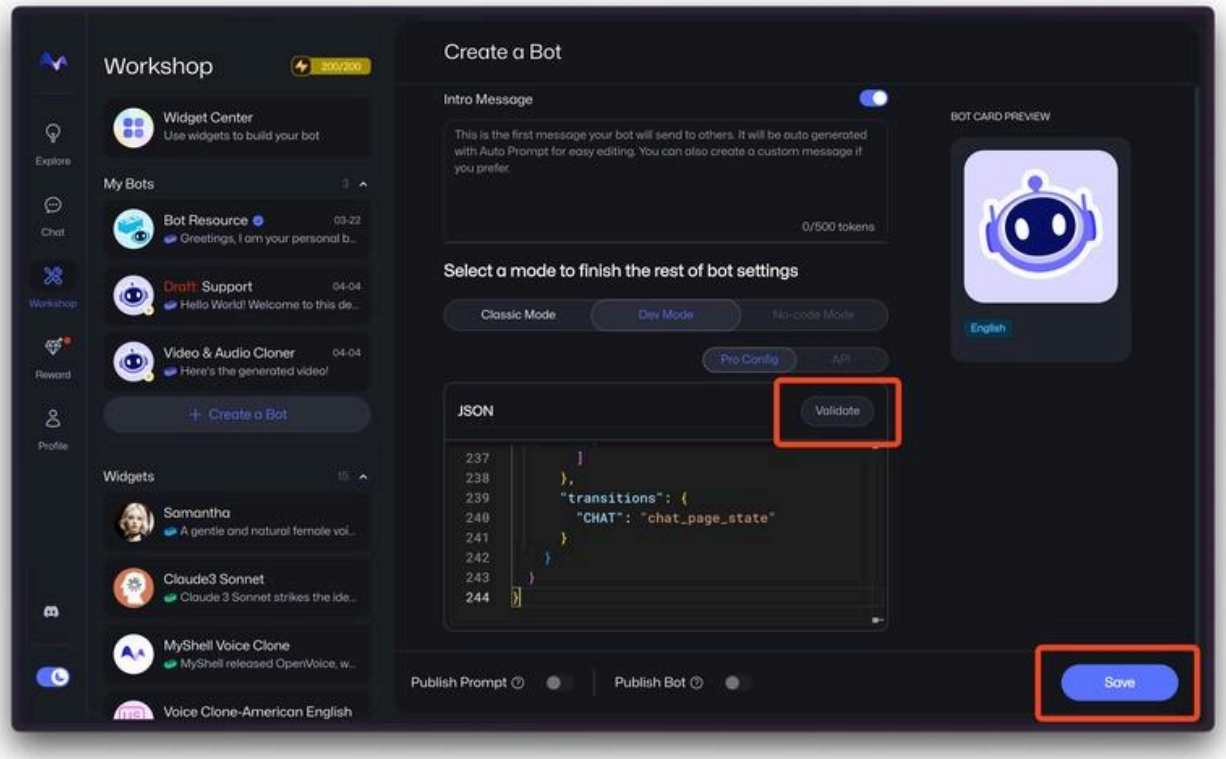
- Use JSON to define the automata, states, inputs, outputs, and transitions for your bot.
- Architect a state machine that will dictate your bot's behavior.

Step 3: Implement AI Widgets

- Add AI widgets that will run based on user inputs and produce intermediate results.
- Configure widgets concerning user inputs and specify output names for later use.

Step 4: Test and Validate

- Validate your JSON configuration and save your settings.



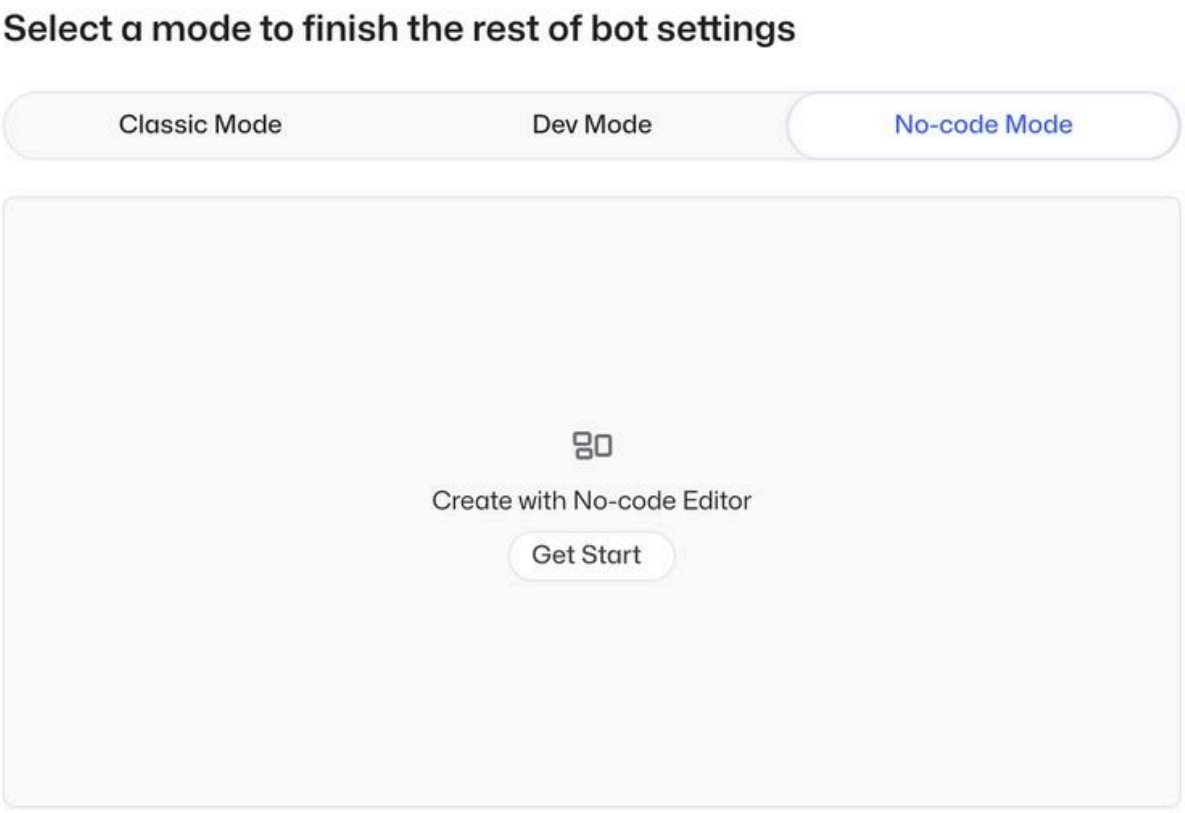

- Test your bot to ensure it operates as intended and make any necessary adjustments.

## No-Code Mode: Simplifying AI Bot Creation for Everyone

No-code Mode is a user-friendly interface of Pro Config Mode, supporting creators of all skill levels to build advanced bots with simple operations. It's beneficial if you're familiar with the basics of Pro Config.

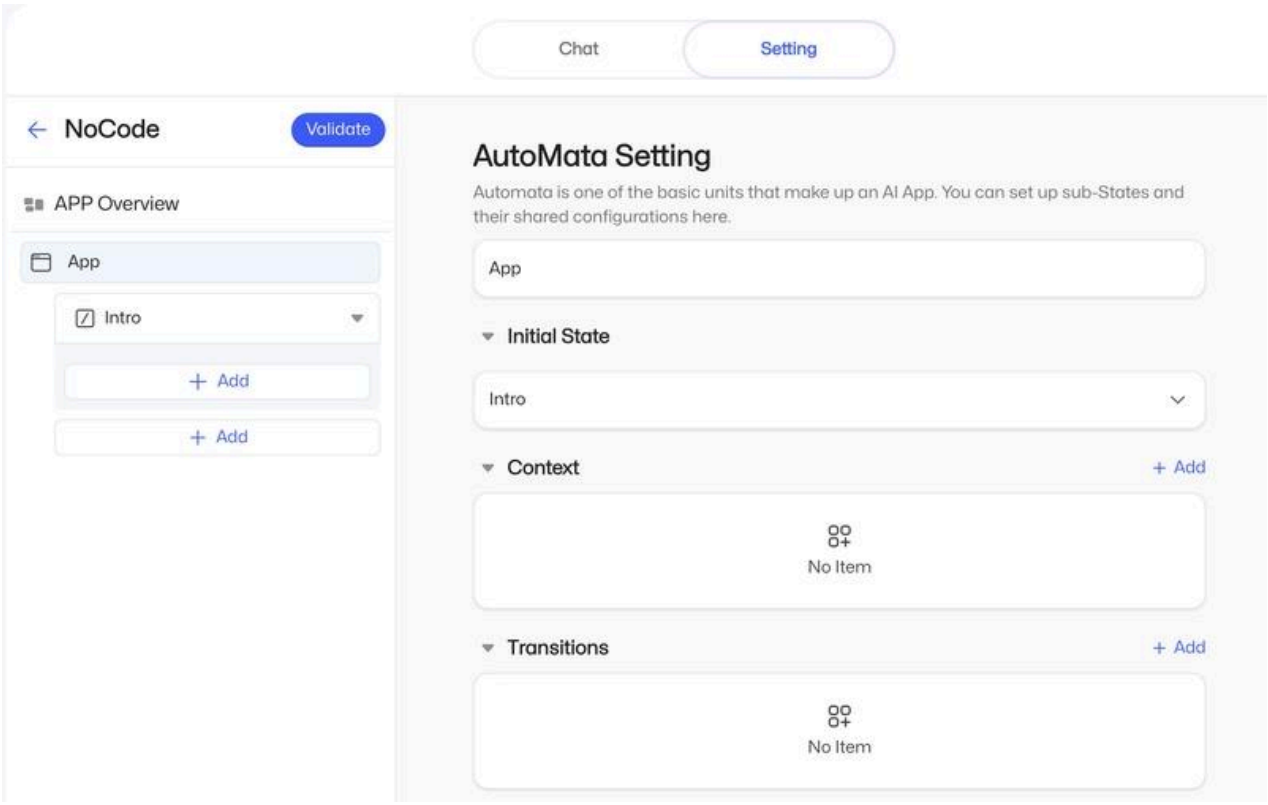
### Step-by-Step Guide to No-Code Mode

Step 1: Enter No-Code Mode
Access No-code Mode from the Myshell dashboard to start building your bot.




Step 2: Configure Automata Settings

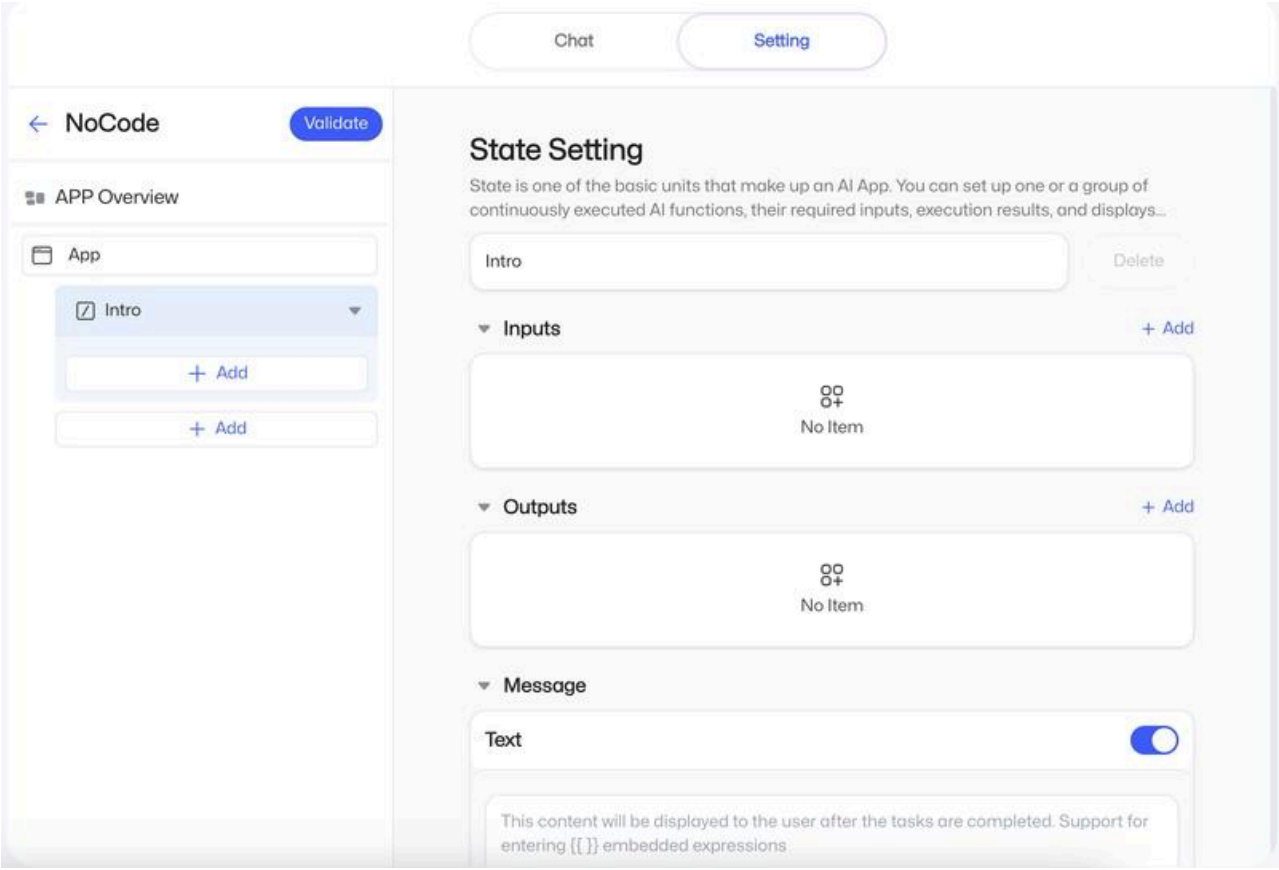
- Set up your bot's initial state, context, and global transitions.



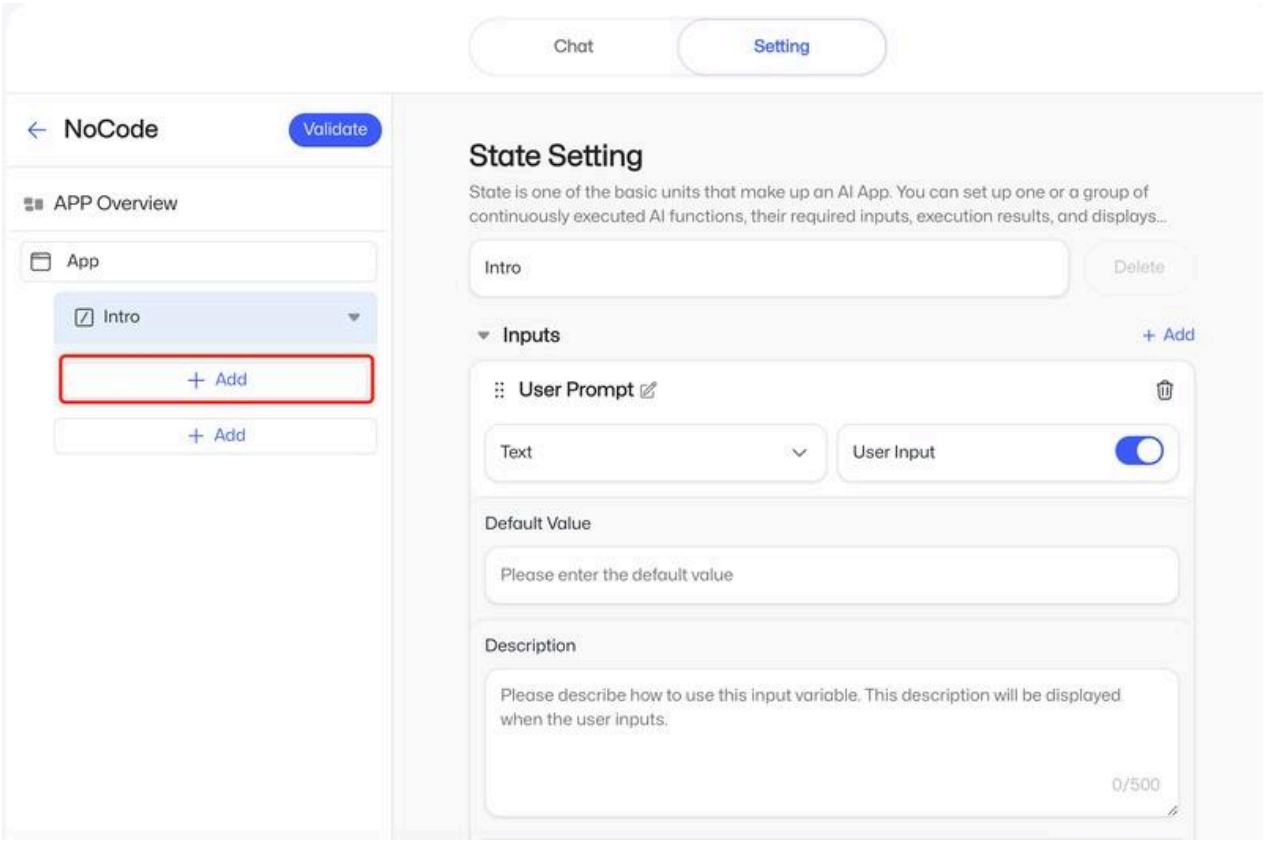

- Define the states your bot will have and the actions it will take.

Step 3: Add Inputs and Widgets

- Specify user inputs necessary for AI models or widgets to run.




- Add widgets to process inputs and produce results.

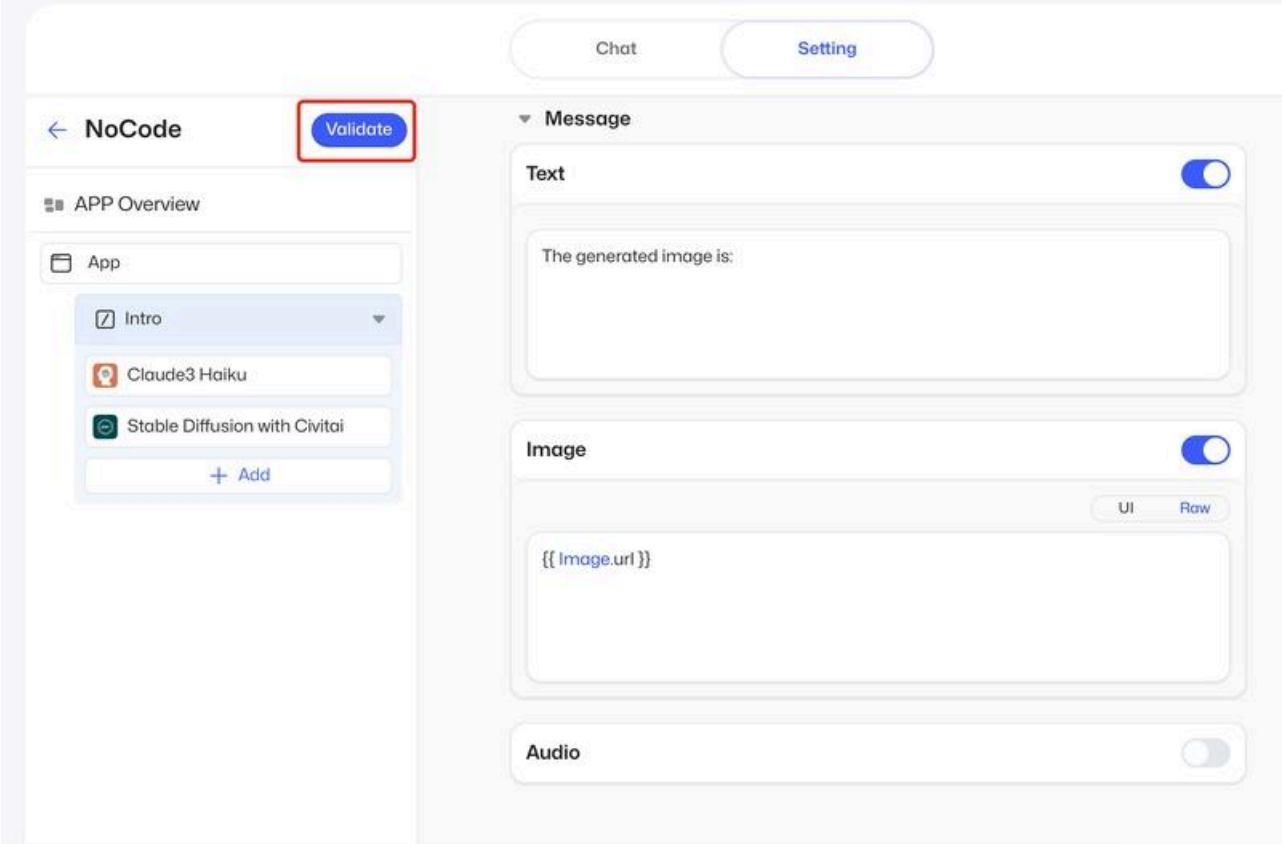



Step 4: Design User Interactions

- Configure messages and transitions based on widget outputs.
- Add buttons and other interactive elements to guide users through the bot's flow.

Step 5: Validate and Save

- Before saving, validate the No-code settings to ensure everything is configured correctly.

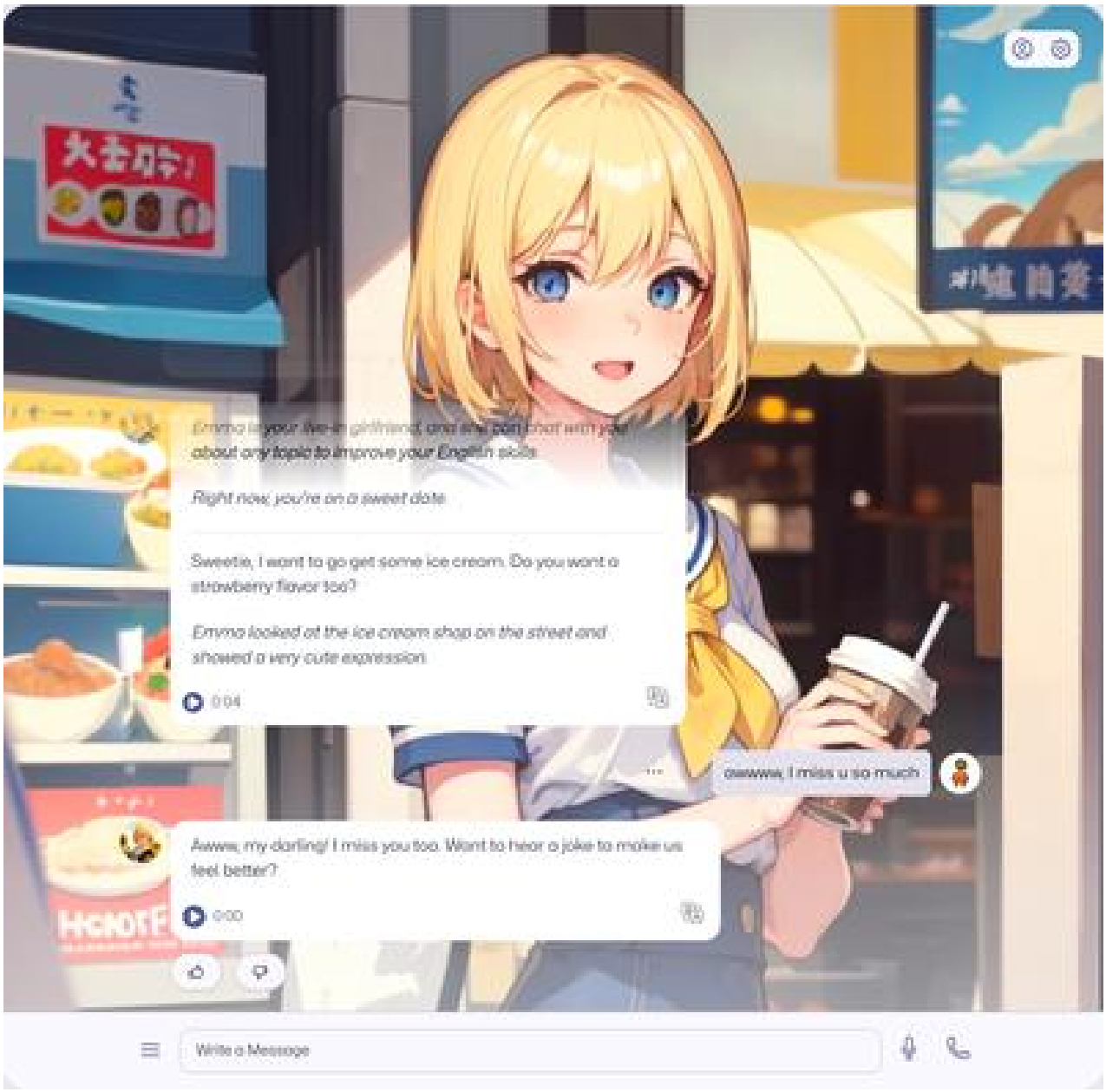



- Save your settings and test the bot to confirm its functionality.

## Examples of Myshell Bots

Myshell's platform is home to many AI bots, each designed with unique capabilities and personalities. Here are some notable examples:

## Emma: The Language Companion

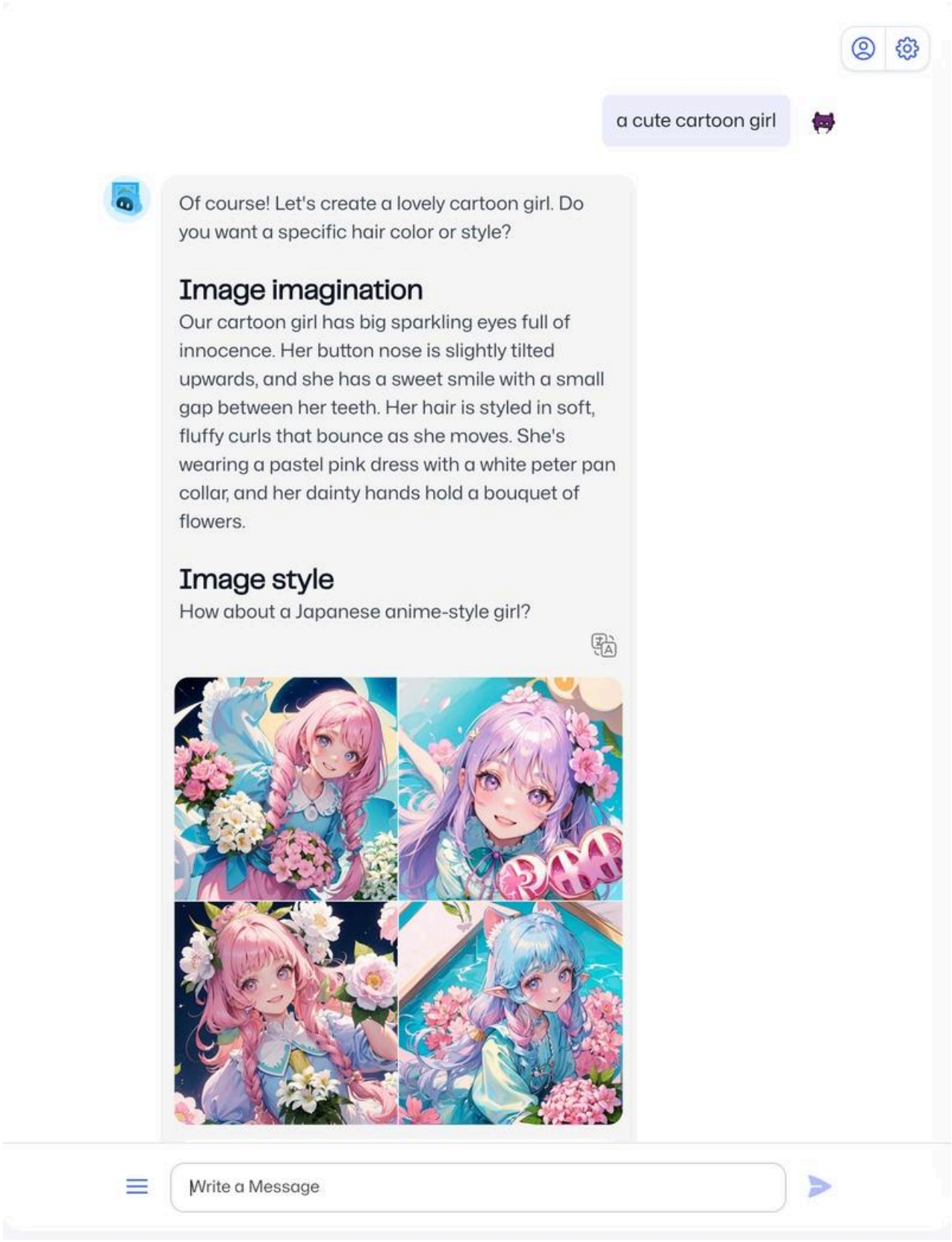



Emma is designed to be a thoughtful language companion, particularly for English beginners. She's a virtual friend who provides daily companionship through messages and phone calls. Emma's ability to offer gentle feedback and encouragement makes the language-learning process enjoyable and effective.

## Shizuku: The Japanese-style Idol


Shizuku stands out as Myshell's first original character to feature Live2D functionality, bringing a new level of interactivity to AI bots. She's a Japanese-style idol who can engage users in voice and video conversations with ultra-low latency and highly responsive interactions.

Avatar Magician: The Visual Artist



Avatar Magician is a creative bot that generates exquisite avatars through natural language prompts. This bot simplifies the image creation process, eliminating the need for editing lengthy prompts or dealing with complex parameters. Myshell's image generation bot series, which Avatar Magician is a part of, supports model scheduling and multi-modal chaining, providing ease of use while maintaining expandability.

## Unleashing Creativity with Myshell's Image Generation

The power of visualization is a key aspect of human creativity, and Myshell's image-generation capabilities bring this power directly into the hands of its users. With Myshell, the process of turning imaginative concepts into tangible visuals is both intuitive and accessible.

### Natural Language Image Generation: Turning Words into Visuals

Imagine being able to describe a scene, character, or object in words and then seeing it come to life as an image. Myshell's Natural Language Image Generation feature does just that. Using advanced AI algorithms, Myshell interprets the descriptions provided by users and generates images that match those descriptions. This feature is handy for:

- Artists seeking inspiration for their next piece.
- Writers wanting to visualize scenes or characters from their stories.
- Educators creating engaging content for their students.

### Parameter Image Generation: Fine-Tuning Your Visual Creations

For those who wish to have more control over the image generation process, Myshell offers Parameter Image Generation. This feature allows users to specify parameters such as color schemes, styles, and dimensions to influence the outcome of the generated image. It's perfect for:

- Graphic designers working on branding and marketing materials.
- Game developers creating assets for their games.
- Content creators looking for specific visuals to complement their work.

## Myshell’s Impact on Creators and Developers

Myshell has built an open ecosystem that empowers anyone to transform their ideas into AI-native apps. With state-of-the-art generative AI models, the platform allows creators to build, share, and own AI agents in just seconds. This democratization of AI app creation makes the field accessible to all, fostering a creative and innovative environment where anyone can become a creator.

The creator economy within Myshell is vibrant and rewarding. Creators take ownership of their work by certifying their creations as NFTs, which opens new opportunities for them. This ownership is securely validated, laying the foundation for easy exchange of works on secondary markets, allowing creators to benefit from ongoing trades directly.

# Myshell’s Funding and Future Prospects

Myshell's journey in the AI and Web3 space has been marked by significant milestones, not least of which is its successful fundraising efforts.

In a recent Pre-A funding round, Myshell secured an impressive $11 million, led by Dragonfly Capital. This round was supported by a consortium of high-profile investors, including Delphi Digital, Bankless Ventures, Maven11 Capital, Nascent, Nomad, Foresight Ventures, Animoca Ventures, OKX Ventures, and GSR. Prominent individual investors like Balaji Srinivasan and Illia Polosukhin also contributed, showcasing the industry's confidence in Myshell's vision.

This funding round is a testament to Myshell's potential to revolutionize the AI creator ecosystem. With this new capital, Myshell is not just scaling its operations; it's catalyzing a movement toward a more open, collaborative, and democratic AI landscape. The funds will accelerate the development of Myshell's open-source foundational model and support its vibrant community of over 1 million registered users and 50,000 creators.

# Understanding Myshell's Tokenomics

Myshell's tokenomics are designed to foster a sustainable and innovative ecosystem.

$SHELL is the native token of the Myshell ecosystem, playing a pivotal role in accessing premium features, supporting creators, and settling usage charges. The total supply of $SHELL is capped at 1 billion tokens, with a deflationary mechanism to ensure a healthy balance between supply and demand. This cap is crucial as it introduces scarcity, which can potentially drive the value of the tokens as the platform grows and the demand for $SHELL increases.

The innovative use of $SHELL within the Myshell platform includes:

- Access to Premium Features: Users spend $SHELL to unlock advanced functionalities within the platform.
- Creator Support: Creators receive $SHELL as a reward for their contributions, incentivizing high-quality content creation.
- Settlement of Charges: $SHELL is used to settle various usage charges, integrating it deeply into the platform's operations.

## Distribution of $SHELL

The distribution of $SHELL is carefully planned to align with the platform's long-term vision. The token allocation is as follows:

- Private Sale: 26% of the total supply, with a 1-year cliff and linear release over the following three years.
- Advisors: 3%, following the same vesting schedule as the private sale.
- Team: 17%, with a 1-year cliff and linear release over four years.
- Partnership and Marketing: 12%, with a linear release over five years.
- Community Incentive: 40%, with a linear release over four years.

- Liquidity: 2%, available immediately.

## Is $SHELL a good investment?

The future of $SHELL is promising, with plans to grow the platform and increase the token's utility. As Myshell expands its services and user base, the demand for $SHELL is expected to rise, potentially enhancing its value. The platform's commitment to innovation and community-driven development suggests a bright future for $SHELL and its holders.

## How to Earn Shell Coins

Shell Coins are the lifeblood of the Myshell ecosystem, serving as a reward and incentive mechanism for users' active participation. Understanding how to earn and use these coins is crucial for anyone looking to engage with the platform. There are several ways to earn Shell Coins within the Myshell ecosystem:

1. Explorers' Task Completion: Users can complete a variety of optional tasks each season, ranging from basic interactions with bots to providing feedback and sharing experiences to help others join. These tasks earn users seasonal points, which can be redeemed for Shell Coins.

2. Creators' Rewards: Bot creators earn seasonal points through community engagement and sharing their innovations. Myshell also offers supplemental rewards to prolific creators funded through seasonal token distributions.

3. Collectors' Return: Users can support promising creators by purchasing patron badges with Shell Coins, functioning as investors in bots they believe in. In return, they receive an equity share entitling them to a portion of subsequent earnings.

4. Genesis Pass NFT: Creators can certify their creations as NFTs, which opens new opportunities for them. Ownership is securely validated, allowing for easy exchange on secondary markets and direct benefits from ongoing trades.

## The Role of Shell Coins in the Myshell Ecosystem

Shell Coins play a multifaceted role in the Myshell ecosystem:

- Access to Premium Features: Shell Coins unlock advanced features within the platform, enhancing the user experience.

- Supporting Creators: The coins serve as a means of supporting creators, providing them with a tangible reward for their contributions to the ecosystem.

- Settling Usage Charges: Shell Coins are integral to settling various usage charges, profoundly integrating them into the platform's operations.

- Community Incentives: Through a structured "seasonal system," Shell Coins are distributed to users who actively participate in shaping the direction of the Myshell platform. This includes exploration, creation, and collection incentives.

- Cross-Seasonal Distribution: The release volume of Shell Coins is tied to the developmental requirements of the Myshell platform, with a focus on expanding the user base and rewarding long-term, loyal participants.

## Conclusion

Myshell has established itself as a key player in advancing AI by democratizing the creation and ownership of AI agents, fostering a community where creativity and collaboration thrive. The potential of Myshell is vast and still unfolding. As the platform continues to grow, it promises to bring about a new era of AI applications that are more personal, interactive, and integrated into our digital lives.

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Date: 11/05/2024