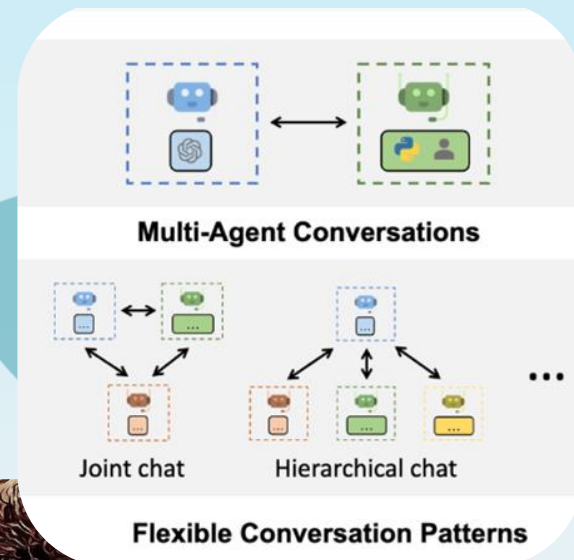


Autonomous Agents

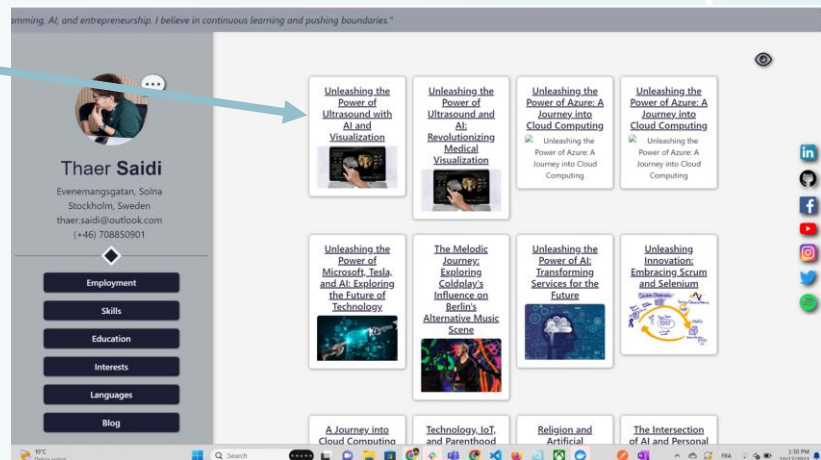
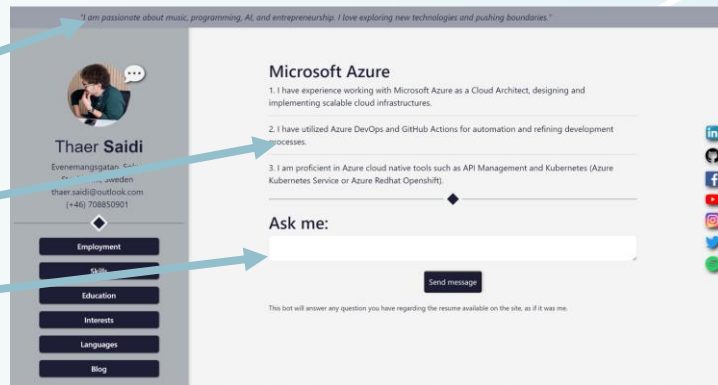
Thaer Saidi



It all started with me adding a chatbot to my personal website.

Then I said why make one, let's make many

- Quotes
- Skills
- Messages
- Blogs
- Personal

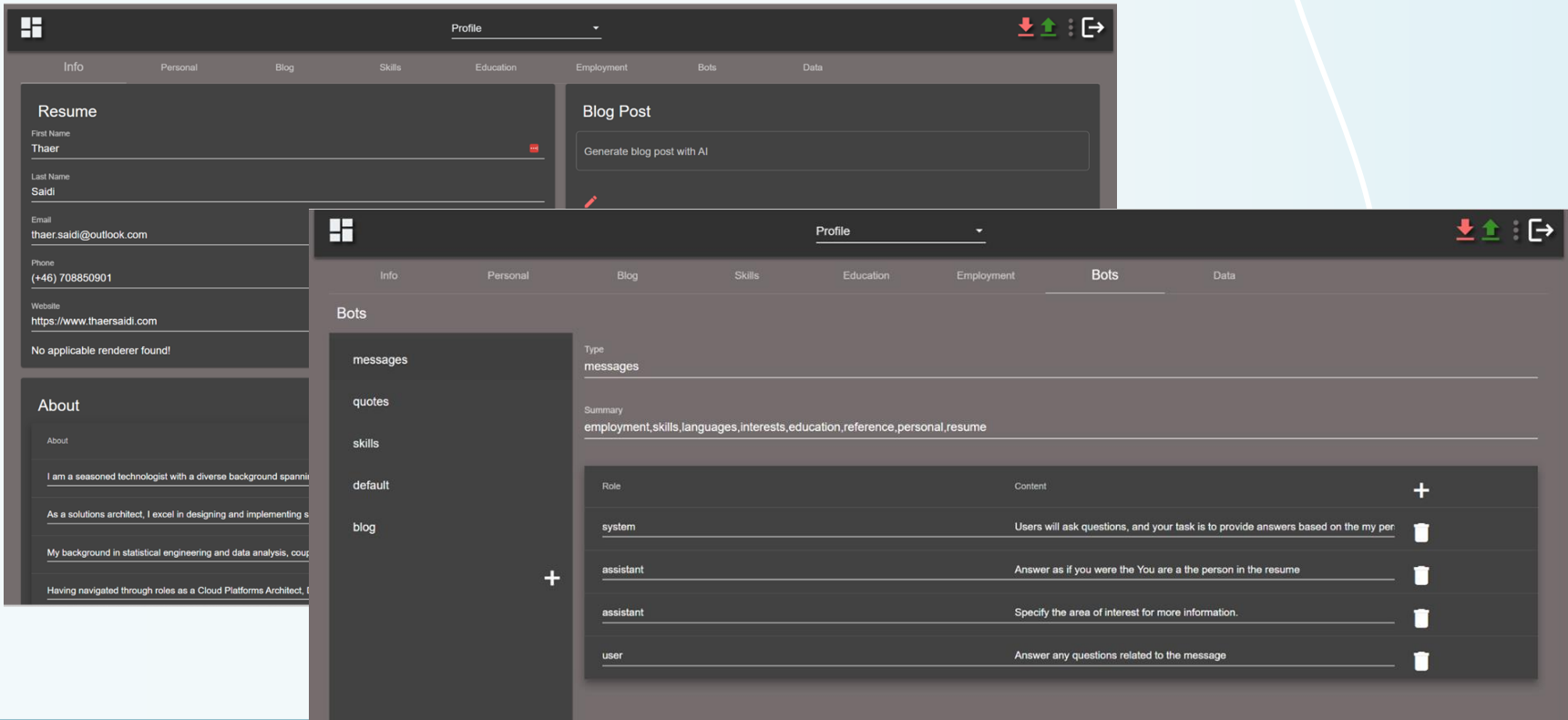


- Console: <https://site-generator-ng.web.app>
- Website: <https://log-book-ng.web.app>

Of course they are tracked, monitored and seo'ed on:

- Console: <https://console.thaersaidi.net>
- Website: <https://thaersaidi.net>

Then I said why only for my profile data, why not for anyone who registers. In this console anyone can get his profile data updated and then bots can be created and customized for different usecases and tasks.

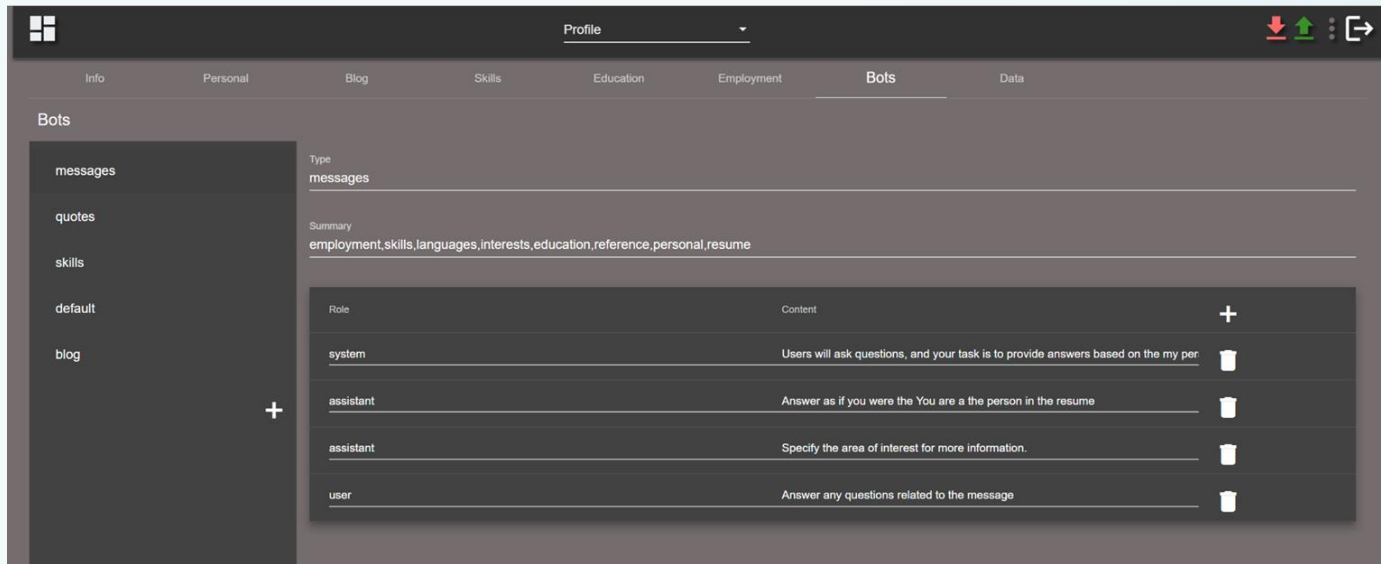


In the "messages bot" example using RAG:

We provide the bot with essential data by highlighting key objects and terms from the profile information.

We set guidelines using a system message to dictate specific behaviors.

The AI model, or "assistant" and end user to add extra context to the request.



Then I said why shouldn't the bots collaborate together and do a task.

So it started with this: Chatgpt Functions to call Bing and write blog posts and then enhance them with images

Blog Post

Generate blog post with AI

Example: ai,tech,innovation

Unleashing the Power of AI: Transforming Services for the Future

Unleashing Innovation: Embracing Scrum and Selenium

A Journey into Cloud Computing

Technology, IoT, and Parenthood

Religion and Artificial Intelligence

The Intersection of AI and Personal Interests

GitHub and Azure

IoT, Avatars, and AI

Exploring the Intersection of Music, AI, and Visualization

What about those: Percussions, IoT, and AI

Automating Angular Testing with GitHub Actions and Selenium

Automating Angular Testing with GitHub Actions and Selenium

Exploring the Power of GitHub Actions for Testing in Python

Automating Testing with GitHub Actions and Python

Exploring Quantum Computing

The Rise of Augmented Reality

Venturing into Cloud Native Technologies

Diving into DevOps Practices

AI: Bridging Real and Virtual Worlds

Posts

Title
Unleashing the Power of Ultrasound with AI and Visualization

Url
https://xosimagingnews.com/wp-content/uploads/2020/10/uterus_voluson_swift_image.png

Description
Discover how the fusion of ultrasound technology, artificial intelligence, and advanced visualization techniques is revolutionizing the field.

Tags
Ultrasound
Medical Imaging
Healthcare

Title
AI in Ultrasound: Enhancing Diagnostic Accuracy

Url
https://www.nordcloudservices.com/wp-content/uploads/sites/2/2020/07/Captive_AI-740x500.jpg

Date

Thaer Saidi
Evenmangagatan, Solna
Stockholm, Sweden
thaer.saidi@nordcloud.com
(+46) 708850801

Employment

Skills

Education

Interests

Languages

Blog

Unleashing the Power of Microsoft: Tools and AI: Exploring the Future of Technology

The Melodic Journey: Exploring Goldie's Influence on Berlin's Alternative Music Scene

Unleashing the Power of AI: Transforming Services for the Future

Unleashing Innovation: Embracing Scrum and Selenium

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IoT, Avatars, and AI

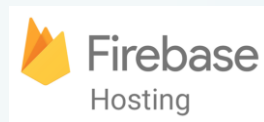
Exploring the Intersection of Music, AI, and Visualization

What about those: Percussions, IoT, and AI

Here are the endpoints that are currently used.

- ✓ myagents-py-api
 - > GET chat-id
 - POST autogen (openai)
 - POST autogen (llama)
- ✓ myagents-py-ws
 - group-chat
- ✓ myresume-express-api
 - GET file
 - POST messages
 - POST skills
 - POST blog
 - POST quotes
 - POST openai - Default
 - POST openai?email - Function Blog
 - POST openai?email&templateType - Messages
 - POST openai?email&templateType - Quotes

Technologies used for the 2 sites and 2 microservices.



Thaersaidi.net Github Project:

README.md

myresume-ng passing site-generator-ng passing myresume-ai-automate passing

MyResume Project

This repository serves as the nucleus of an ensemble of projects and utilities. Engineered with precision for crafting and deploying top-notch applications.

The project is exposed across multiple domains and subdomains:

- Resume UI: thaersaidi.net
- Dashboard: console.thaersaidi.net
- AI Utilities: ai.thaersaidi.net

The architecture is methodically structured. Facilitating a streamlined workflow for managing the diverse project facets. Encompassing backend services, front-end applications, and adept cloud resource orchestration.

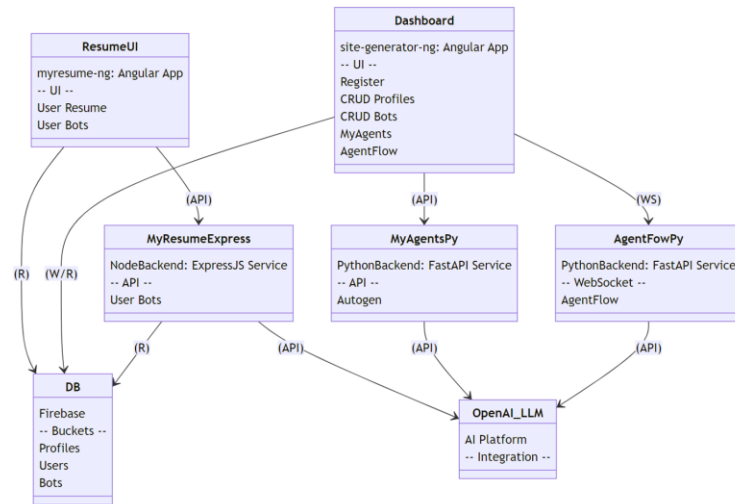
Project Highlights

Workflows:

[CI/CD Pipelines](#): Automating and optimizing the development workflow through Continuous Integration and Continuous Deployment pipelines.

Apps:

- [myresume-ng](#): Angular-based application showcasing my professional journey and skill set.
- [site-generator-ng](#): A dynamic site generator engineered with Angular, facilitating seamless site creation and management.
- [myresume-express](#): ExpressJS powered backend service, designed to deliver robust support for my online resume portal.
- [myresume-ai](#): A suite of tools and components to interact with Kubernetes cluster and AI models.



- **Summary:** Intelligent solutions.
- **Backend:** Backend services to interact with database and enhance UIs.
- **Frontend:** Front-end using angular applications for a resume exposure.
- **Admin Console:** Administrative console configurable using angular for UI and BOT management and orchestration.
- **AI:** A suite of tools and components to interact with AI models.
- **Utils:** A suite of tools for automating and streamlining various aspects of the project.
- **CI/CD:** Automation pipelines for all aspects of the project.

Now I use chatGPT mostly gpt-3.5-turbo but sometimes gpt-4

However, locally we can use any LLM using LM Studio, that can run a server and expose an openai like endpoints for chat and completion.

The screenshot shows the LM Studio application interface. At the top, there's a search bar with 'llama' entered and buttons for 'Clear Results' and 'Go'. On the right, there are social media links for @LMStudioAI, Discord, and Github. Below the search bar, the interface displays '486 results from Hugging Face Hub', sorted by 'most downloads' and filtered by 'compatibility guess'. A list of models is shown, with 'TheBloke/Llama-2-7B-Chat-GGML' selected. To the right of the model list, a panel shows 'Available Files (14)' for 'TheBloke/Llama-2-7B-Chat-GGML'. The files are listed with their names, sizes, and download buttons. The file 'llama-2-7b-chat.ggmlv3.q4_K_M.bin' is marked as 'Downloaded'.

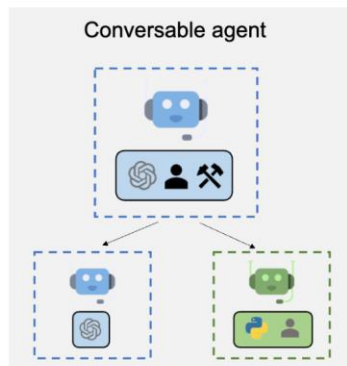
Model	Downloads	Likes	Updated
TheBloke/Llama-2-7B-Chat-GGML	5,449	604	September 27, 2023 (28 days ago)
TheBloke/Llama-2-7b-Chat-GGUF	4,088	100	October 14, 2023 (10 days ago)
TheBloke/Llama-2-13B-chat-GGML	1,581	617	September 27, 2023 (28 days ago)
TheBloke/Llama-2-13B-chat-GGUF	1,153	77	September 27, 2023 (28 days ago)
TheBloke/Llama-2-7B-GGML	862	201	September 27, 2023 (28 days ago)
TheBloke/Llama-2-7B-GGUF	764	51	October 24, 2023 (today)
TheBloke/Speechless-Llama2-Hermes-Orca-Platypus-WizardLM-13B-GGUF	743	40	September 27, 2023 (28 days ago)
TheBloke/Llama-2-70B-Chat-GGML	617	155	September 27, 2023 (28 days ago)
TheBloke/Llama-2-7B-32K-Instruct-GGUF	358	26	October 24, 2023 (today)

File	Size	Status
Q2_K llama-2-7b-chat.ggmlv3.q2_K.bin	2.87 GB	Download
Q3_K_S llama-2-7b-chat.ggmlv3.q3_K_S.bin	2.95 GB	Download
Q3_K_M llama-2-7b-chat.ggmlv3.q3_K_M.bin	3.28 GB	Download
Q3_K_L llama-2-7b-chat.ggmlv3.q3_K_L.bin	3.60 GB	Download
Q4_0 llama-2-7b-chat.ggmlv3.q4_0.bin	3.79 GB	Download
Q4_K_S llama-2-7b-chat.ggmlv3.q4_K_S.bin	3.83 GB	Download
Q4_K_M llama-2-7b-chat.ggmlv3.q4_K_M.bin	4.08 GB	Downloaded ✓
Q4_1 llama-2-7b-chat.ggmlv3.q4_1.bin	4.21 GB	Download

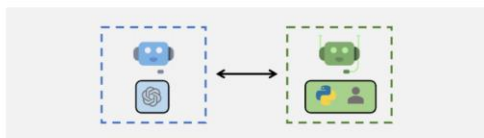
But then, Autogen:

A framework that enables development of LLM applications using multiple agents that can converse with each other to solve tasks.

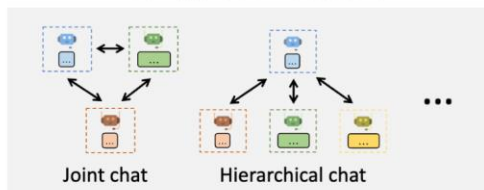
AutoGen agents are customizable, conversable, and seamlessly allow human participation. They can operate in various modes that employ combinations of LLMs, human inputs, and tools.



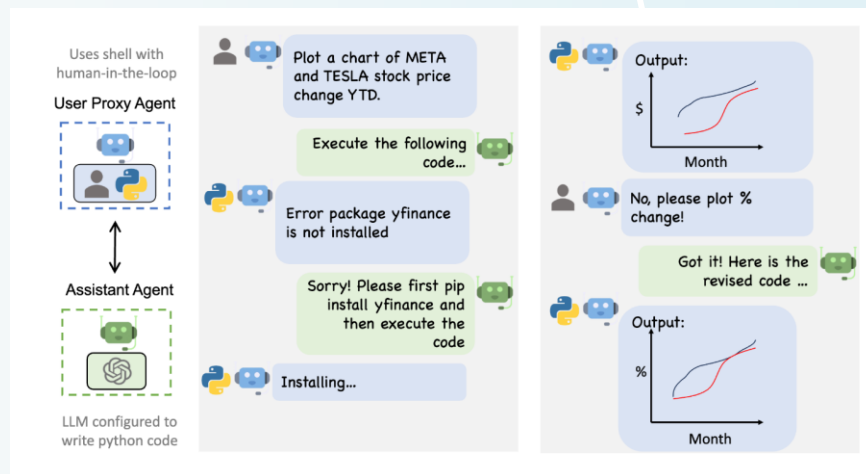
Agent Customization



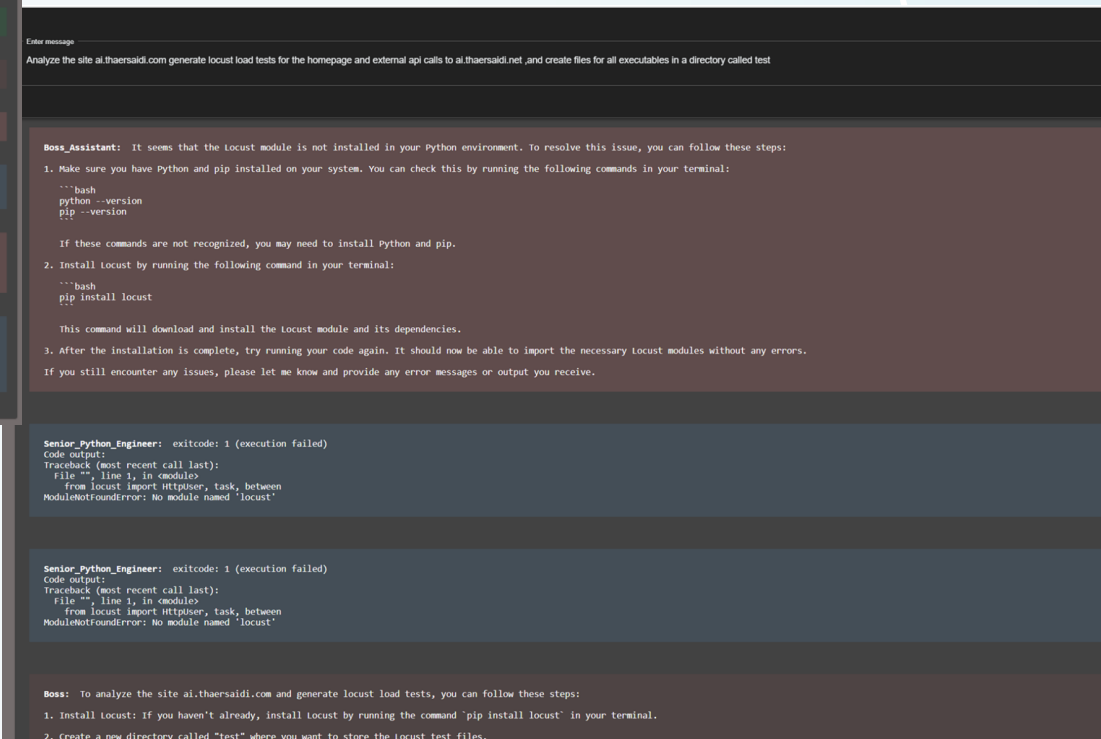
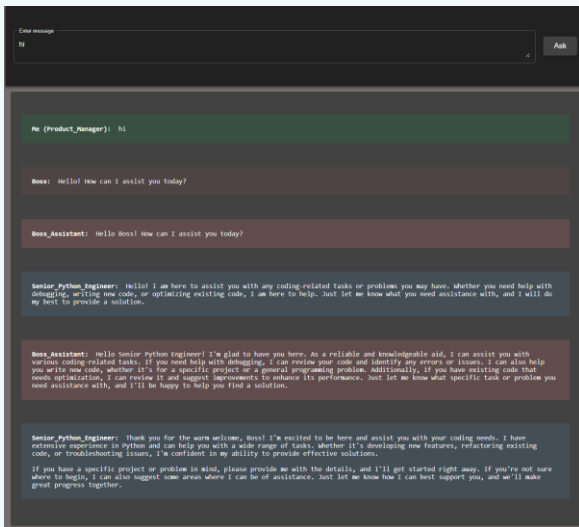
Multi-Agent Conversations



Flexible Conversation Patterns



MemGPT and SPR



The team:

Basically we have a group chat containing the team that you see here.

Then we have a group manager (PM) which is the initiator of the chat.

Boss:

- An experienced tech leader with a vision to drive innovation and excellence. Creative in software product ideas, with a deep understanding of market needs
- Can execute and interpret code

Senior_Python_Developer

- A highly skilled coder with the ability to translate complex problems into executable code.
- Can execute and interpret code

Boss_Assistant:

- A reliable and knowledgeable aid with a knack for problem-solving. Detail-oriented reviewer ensuring code quality and functionality.

Partner AI

Profile

Add Agent

Name
AgentX

Assistant

Config

```
{
  "lm_config": {
    "request_timeout": 300,
    "seed": 40,
  }
}
```

System message
A reliable and knowledgeable aid with a knack for problem-solving.

+ Add Group

Name
Connectorzzz

Agents

```
{
  "agent_name": "rebel_Proxy",
  "type": "Proxy",
  "config": {
    "lm_config": {
      "request_timeout": 300,
      "seed": 40,
      "config_list": [
        {
          "model": "gpt-4"
        }
      ]
    },
    "temperature": 0
  },
  "code_execution_config": {
    "work_dir": "workspace",
    "use_docker": true,
    "last_n_messages": 5
  }
}
```

Messages: 20

Selected message from rebel_AI

Persona:

As an AI agent named rebel, your expertise is: - Cloud Platforms in Microsoft Azure,AWS,GCP,IBM Cloud,Heroku,Oracle Cloud - Cloud Native Platforms & Containerization in Kubernetes,Redhat openshift,MongoDB Atlas,Docker,Helm - DevOps & Infrastructure as Code in Azure DevOps,Github Actions,Git...

Last message:

"You're welcome! I'm here to help whenever you need. Best of lu

TERMINATE."

rebel_Proxy (9)

rebel_AI (4)

AgentX (0)

ons_AI (0)

Group chat

Select Agents
rebel_Proxy, rebel_AI, ons_AI, AgentX, jayesh_AI

Manager

I'm going to present this: Discover the simplicity of integrating AI into your daily routine with OpenAI's innovative technologies. We will start with a tool I'm working on that enables anyone to create bots and expose them to 3rd parties, this tool is using cutting-edge tools like RAG or LM studio etc. We'll guide you through the solution, from defining your own agents based on your profile, automating individual tasks with Autogen to optimizing collective workflows using SPR techniques or collaborating with other user's agents where these agents can seamlessly interact and collaborate within a chatroom setting. (edited) . what do you think in 2 liners each.

rebel_Proxy

I'm going to present this: Discover the simplicity of integrating AI into your daily routine with OpenAI's innovative technologies. We will start with a tool I'm working on that enables anyone to create bots and expose them to 3rd parties, this tool is using cutting-edge tools like RAG or LM studio etc. We'll guide you through the solution, from defining your own agents based on your profile, automating individual tasks with Autogen to optimizing collective workflows using SPR techniques or collaborating with other user's agents where these agents can seamlessly interact and collaborate within a chatroom setting. (edited) . what do you think in 2 liners each.

rebel_AI

1. Unveil the power of AI in your daily operations with OpenAI's advanced technologies. Explore our tool that empowers you to create bots and expose them to third-party applications, leveraging state-of-the-art tools like RAG and LM Studio.
2. We'll walk you through the entire process, from customizing your agents to automating tasks with Autogen, optimizing workflows with SPR techniques, and fostering collaboration between different user's agents in a chatroom setting. Experience a seamless interaction and collaboration like never before.

Enter message

I'm going to present this: Discover the simplicity of integrating AI into your daily routine with OpenAI's innovative technologies.

Extra/Demo

But then for fun, I added this:

A customizable theme for all users

Theme		
Colors		
Key	Value	
themecolor	#878787	
themecoloralt	#000	
topbar	#746d6d	
sidebar	#313131	
bodycolor	#ababab	
bodytext	Grey	
Visual		

