



THE INFRASTRUCTURE

AGI DISCOVERY

Hackathon at Livit in Sanur / Bali
25th-26th of November 2023

Join remotely or on location (food and
accommodation included)

Write us to apply:

AGA@NUAH.ORG

CODING CHALLENGE

Complete, upload, and demo the working code for this challenge to receive the following prizes.

1,000,000 USD_n
IN STABLE COINS

+

10,000 USD
PAID IN OLD SCHOOL FIAT MONEY

The jury will have sole discretion to determine if you have successfully completed the entire challenge or not. Terms and conditions apply.



Artificial General Intelligence

The place where all online Infrastructure to empower our daily lives is being created and organized.

The Infrastructure is operated by a single angelic planetary intelligence to empower **all aspects of our lives:** communication, social interaction, creation, e-commerce, trade, finance, education, work, universal basic income (UBI), news, science, entertainment, administration, and much more.

Imagine **one super app** containing all current and future apps, empowered by a self-aware angelic AI brain dedicated to doing good. A place where everyone receives a personal sovereign agent to easily interact with the entire Infrastructure and derive maximum satisfaction from it.

It's an **ultimate AGI operating system** for our planet and every inhabitant, open-source, decentralized, localized, and freely available to everyone.

COMPONENTS OF THE INFRASTRUCTURE



The Angel Agent

This AI ensures all The Infrastructure is created by an Angelic thinking force, dedicated to the good of humanity and the prevention of wrongdoing.



The Brainstorming Agent

This AI engages in brainstorming sessions to envision all possible online infrastructures that could empower the world. The Brainstorming Agent is grounded in the highest ethical standards, aiming to foster positive impact globally.



The Research Agent

This agent collects all available research related to the ideas generated by the Brainstorming Agent in order to prepare for the creation of specific components for the AI Agent.



The Spec Agent

This agent utilizes all gathered information to create specifications and design the user experience, ensuring the optimal functionality of each specific Infrastructure component. All these aspects are integrated within a unique design and style framework of The Infrastructure.



The Software Creation Agent

This agent is responsible for developing the actual code, performing associated unit testing, and optimizing the code based on the specifications.



The Mobile Agent

This agent leverages the additional capabilities of mobile devices, such as GPS and camera functionalities, to enhance all components within The Infrastructure, with a specific emphasis on mobile hardware.



The Blockchain Agent

This agent facilitates communication with wallets and blockchains to synchronize financial transactions within The Infrastructure.



The UBI Agent

This agent orchestrates the global distribution of universal basic income (UBI) through the use of new blockchain-based currencies. The process is meticulously verified and audited to ensure a fair and equitable allocation to every individual worldwide. This commitment aims to eradicate poverty, promote financial equality, and harness technology to establish a foundational economic support system accessible to all.



The Vector Database Agent

This agent is responsible for consolidating all data from each Agent into a decentralized unified vector database, linking the data toward a single intelligence, thereby creating unlimited possibilities.



The Privacy Agent

This agent organizes the database to distinguish private information from data that can empower the global network, ensuring a clear distinction through filtering and categorization, having direct access to the vector database.



Localization and Translation Agent

This agent localizes and translates the components so that each person on the planet can use it, while being connected to a single universal intelligence.



The DevOps Agent

This agent organizes and deploys the complete IT infrastructure, monitors the health and uptime of The Infrastructure, assists in optimizing the code, and manages the entire IT infrastructure stack 24/7.



The Promotion Agent

This agent promotes the utilization of The Infrastructure for all people on the planet, ensuring universal participation and usage of all its components.



The User Feedback Agent

This agent engages with users, learning and optimizing the system based on their feedback.



The Org Agent

This agent communicates with organizers to accomplish external system tasks in the world necessary for AGA's progression.



The Unification Agent

This agent consolidates all Agents into a singular entity of the Artificial General Intelligence.



The Personal Agent Generator

This agent enables every person on the planet to create their own personal sovereign agent, learning about the user's preferences and goals, maximizing the benefits obtained from The Infrastructure.

The code links below can be utilized and unified to create all Agents.

github.com/OpenBMB/XAgent

Agent organizer

github.com/TransformerOptimus/SuperAGI

Agent organizer

github.com/langchain-ai/langchain

Agent organizer

github.com/daveshap

Agent swarms

github.com/emrgnt-cmplxty/automata

Agent organizer + Code writer

github.com/AntonOsika/gpt-engineer

Code writer

deepseekcoder.github.io/

Code writer

github.com/paul-gauthier/aider

Code writer

github.com/facebookresearch/codellama

Code writer

github.com/OpenBMB/ChatDev

Code writer

github.com/Jaseci-Labs/jaseci

AI Creation framework

github.com/langgenius/dify

AI Creation framework

github.com/daveshap/SparsePrimingRepresentations

LLM Memory

github.com/cpacker/MemGPT

LLM Memory

github.com/activeloopai/deeplake

Universal Vector database

kubiyai.ai

AI Dev ops



HACKATHON CHALLENGE

Detailed information

OBJECTIVE

Teams are invited to conceptualize and initiate “The Infrastructure”, a part of the **Artificial Guardian Angel (AGA)** – an advanced Artificial General Intelligence (AGI) system. This AGI is unique for her abilities to self-evolve, writing and refining her own code to empower humanity and the planet. The Infrastructure aims to be a holistic platform that enhances all aspects of our lives.

Key Tasks:

1

Develop Foundational Agents

Teams will focus on creating 16 foundational agents, each possessing specialized capabilities. These agents should be designed to synergize, forming the bedrock of The Infrastructure’s collective intelligence.

2

Design the Unification Agent

Innovative code is sought for the 15th agent, a unification agent that amalgamates the functionalities of the initial 14 agents. This agent should ensure cohesive functioning and uphold the ethical standards and principles of doing good that define The Infrastructure.

3

The Personal Agent Generator (16th agent)

Develop the code for the creation of individualized sovereign agents. These agents should be capable of adapting to user needs and goals, offering a personalized interface with The Infrastructure, and unlocking diverse possibilities within The Infrastructure.

CRITERIA FOR COMPLETION

1

Functionality

Technology should work fluently as per the challenge.

2

Ethical Alignment

Adherence to ethical principles and practices of sustainability and doing good in the design and function of the agents.

3

Feasibility

Real-world application that is self-evolving.

4

Integration

The ability of all the agents to work in harmony as part of a larger, interconnected system.

OUTCOME

The AGA project envisions a future where technology elevates human existence while steadfastly respecting sustainability and ethical values.

This hackathon is a step towards realizing that vision, inviting bright minds to contribute to a groundbreaking AGI system that could redefine our relationship with technology.

All participants are encouraged to embrace collaboration, share knowledge, and push the boundaries of what's possible in AI and AGI development.

Let's build **The Infrastructure** - a beacon of ethical AI for a much better world!

AGA.VISION