

Tracing AI Contributions with Bitcoin Virtual Machine

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AI Scope

Artificial intelligence will permeate every field that can be digitized

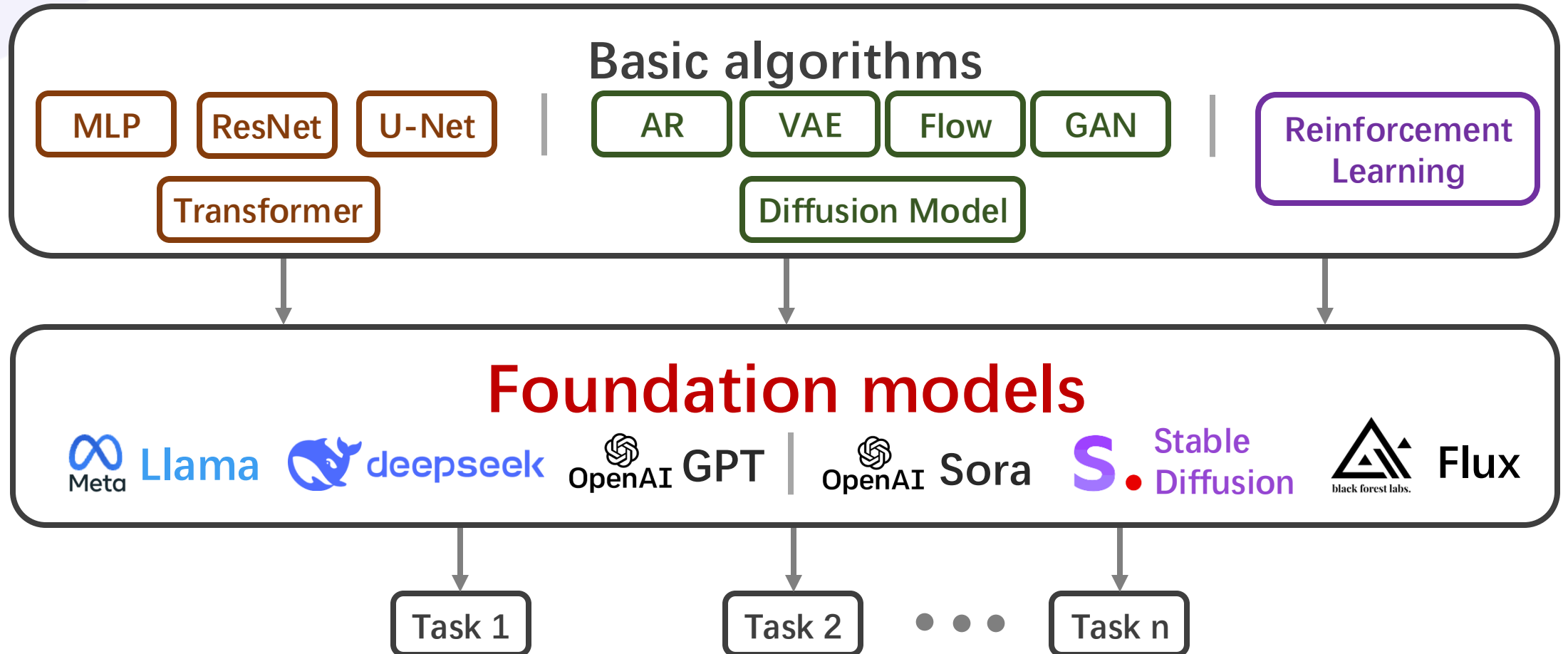


Artificial Intelligence

is a technology for processing data and logic. Artificial intelligence will play a role in all fields that can be expressed by data and logic.

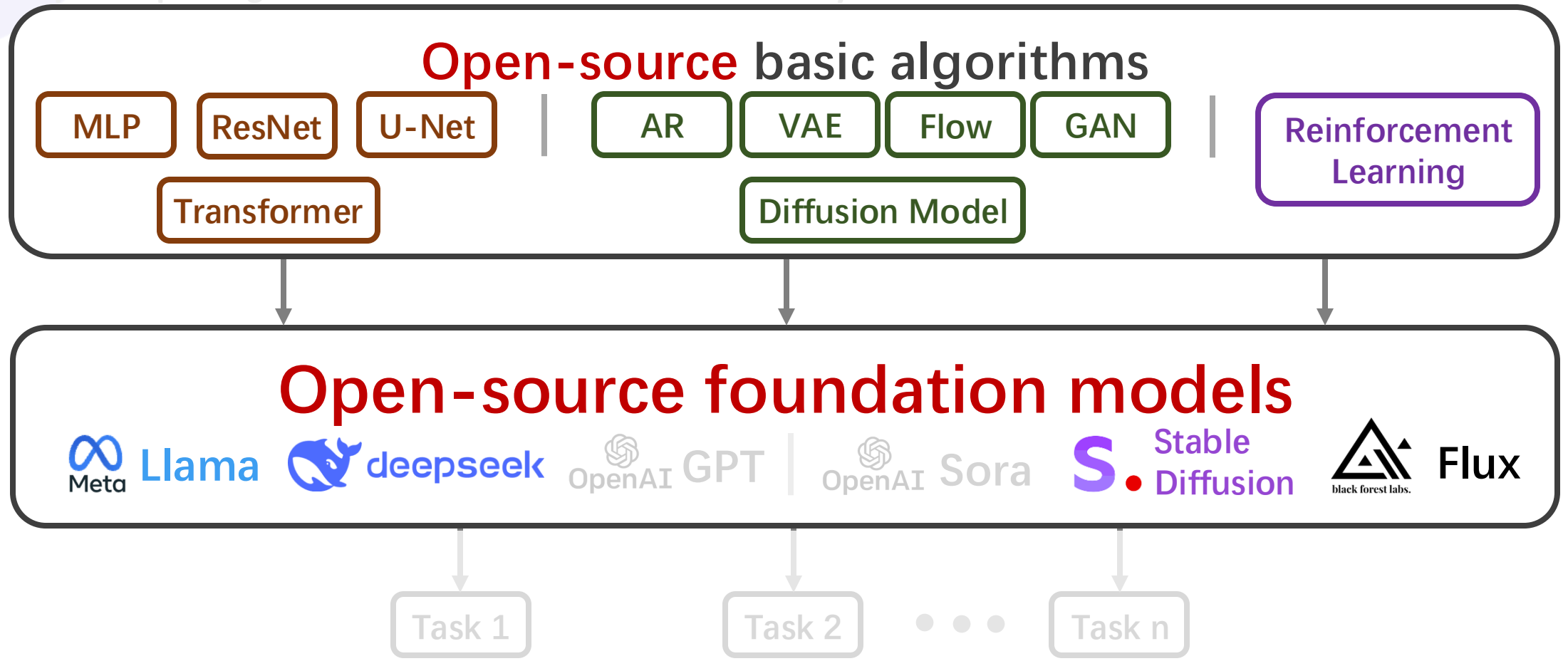
Model hierarchy in AI

Foundation models have become the base upon which AI algorithm systems are built, presenting a hierarchical inheritance architecture. For example, the foundation model DeepSeek utilizes basic algorithms and architectures such as the autoregressive generative model, the Transformer architecture, and reinforcement learning inference algorithms. Downstream tasks like knowledge-based question answering, code generation, and medical assistance are all based on the DeepSeek foundation model.



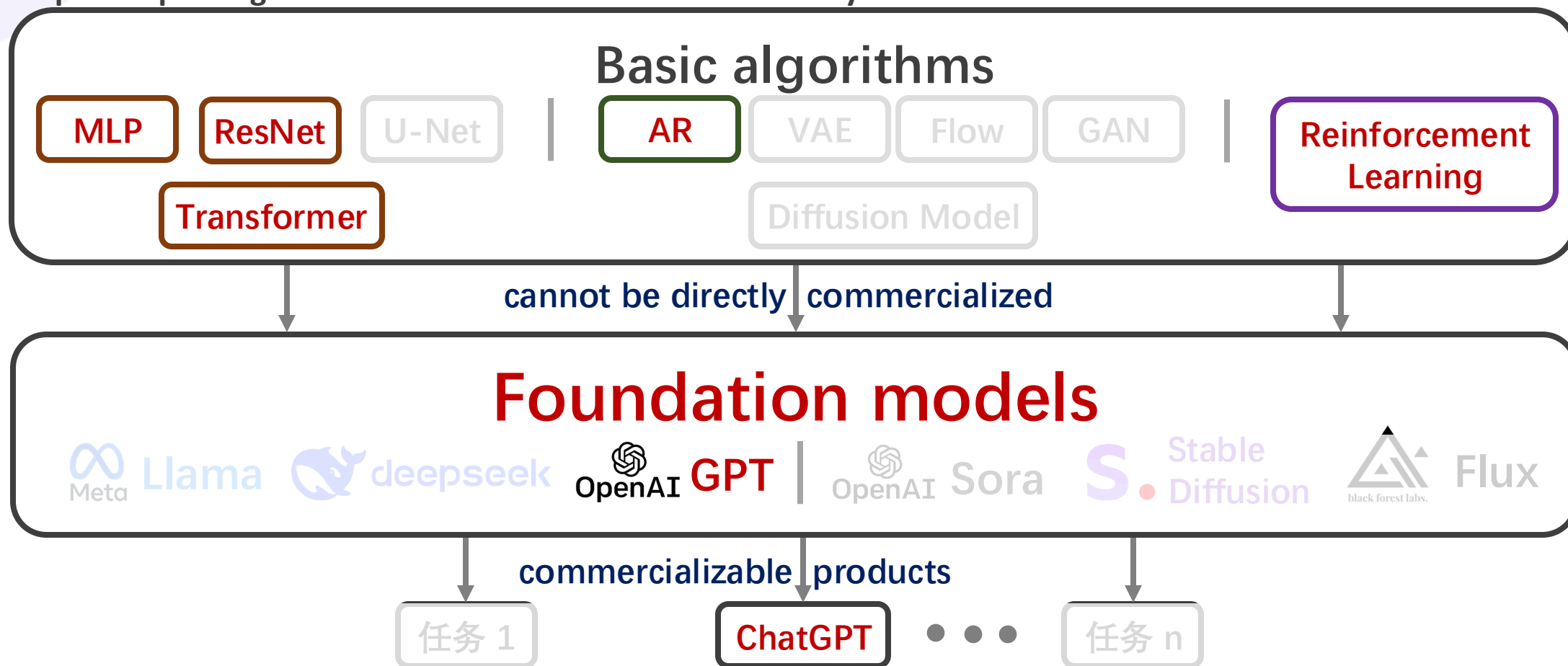
Current issues of AI

- ❖ **Open-source Commercialization:** The open-sourcing of AI models has become a clear trend. Therefore, how to commercialize open-source AI is the problem that needs to be solved now. Otherwise, only companies with application self-loops can survive in the competition for foundation models.
- ❖ **Contribution Dependency:** Commercialization only happens on the product side. The value of basic algorithms and architectures cannot be reflected in the current AI commercialization logic. The existing patent paradigm for model commercialization is already dead in the water in the current AI field.



Current issues of AI

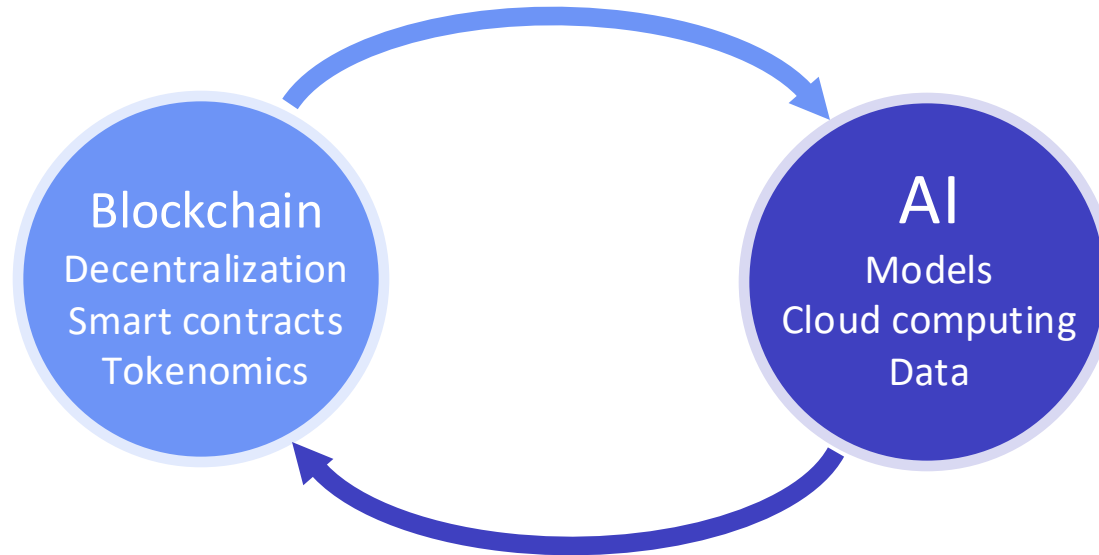
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Building the Novel Production Relation for AI Using Blockchain

AI is driving a revolution in productivity, requiring a new infrastructure for production relations. Building AI on the blockchain and leveraging its capabilities can effectively solve problems such as the commercialization of open-source projects and the construction and quantification of contribution dependency relationships.

**Production
relation**



Productivity



Bitcoin

- Decentralized, global currency potentially replacing gold as a store of value.
- Based on the UTXO model, data and tasks can be processed efficiently and in parallel, making it suitable for scenarios requiring high concurrency, such as AI.


Ethereum

- Decentralized world computer and foster the new paradigm of finance.
- Based on the account model, data and tasks are processed sequentially (in a queue), making it unsuitable for high-concurrency scenarios.



Projects for Web3+AI

Currently, there are many Web3+AI projects, most of which have emerged within the past year. Here, we will compare three projects that started earlier and are more relevant to our topic. The projects listed here all possess the characteristics of decentralization and a trusted blockchain. We will focus on comparing their functional differences.

Project	Blockchain	Open-Source Commercialization	Contribution Dependency	Computation Efficiency	Data Onchain
 Bitmodel	MicrovisionChain (MVC) Fractal Bitcoin (FB)	✓	✓	✓	✓
Bittensor	Polkadot	✓	✗	✗	✗
MyShell	BNB Chain	✓	✗	✗	✗

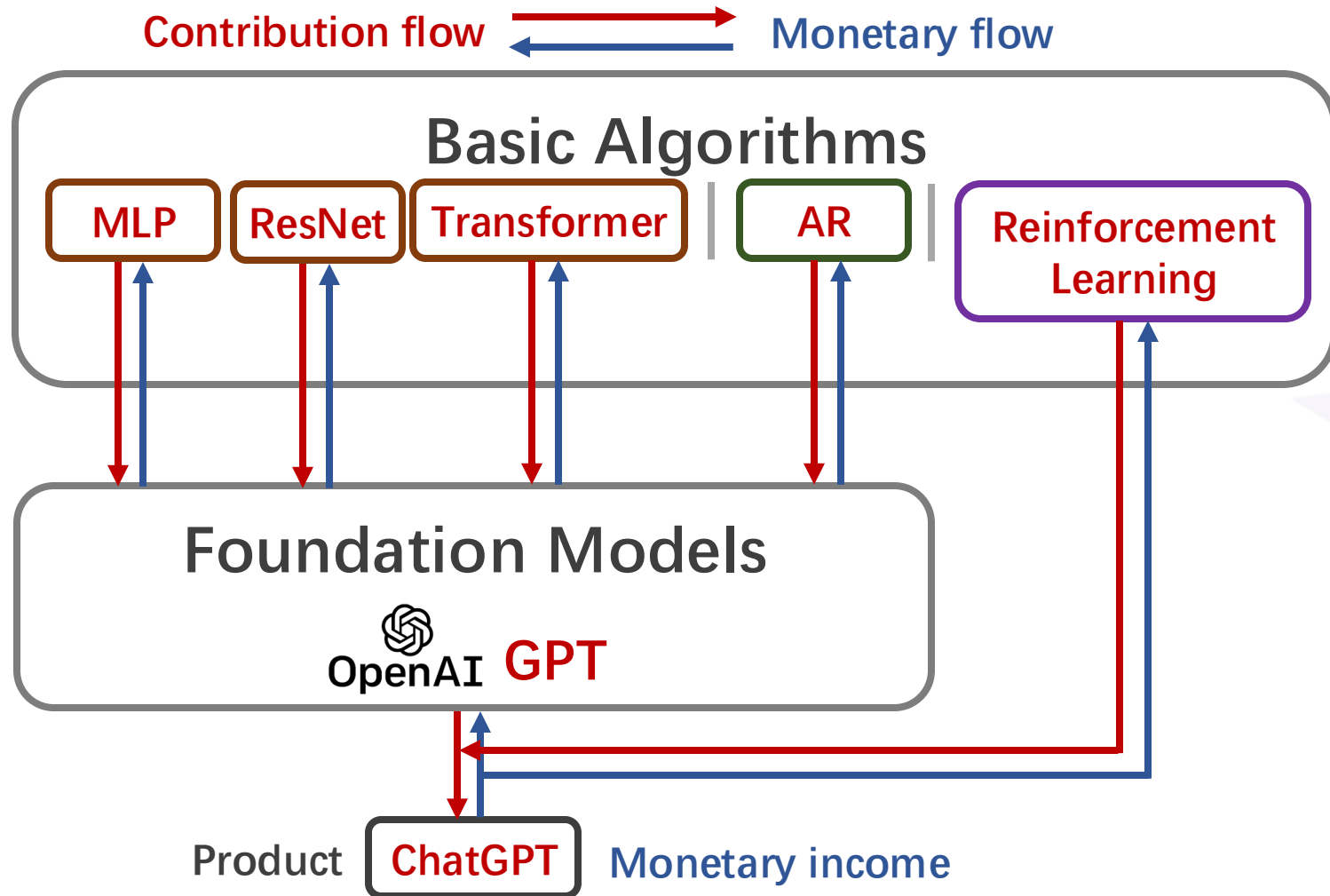
- Fractal Bitcoin (FB) is the isomorphic blockchain with Bitcoin Core (BTC). The key difference is that FB enables the operation code of OP_CAT in the Bitcoin, which allows FB to devise the smart contract with Bitcoin virtual machine.
- MicrovisionChain (MVC) leverages the Meta-contracts to develop the layer-1 smart contract. Simutanously, MVC has the feature of the big blocksize, thus supporting onchain data storage. MVC is compatible with FB and BTC.

Bitmodel.ai

Powered by Bitcoin virtual machine, Bitmodel aims to build a decentralized on-chain AI ecosystem using contribution flows (C-Flow) to rationalize AI contributions. Monetary income can be distributed back to the origin of model contributions via C-Flows. In this way, Bitmodel cherishes every contribution to AI.



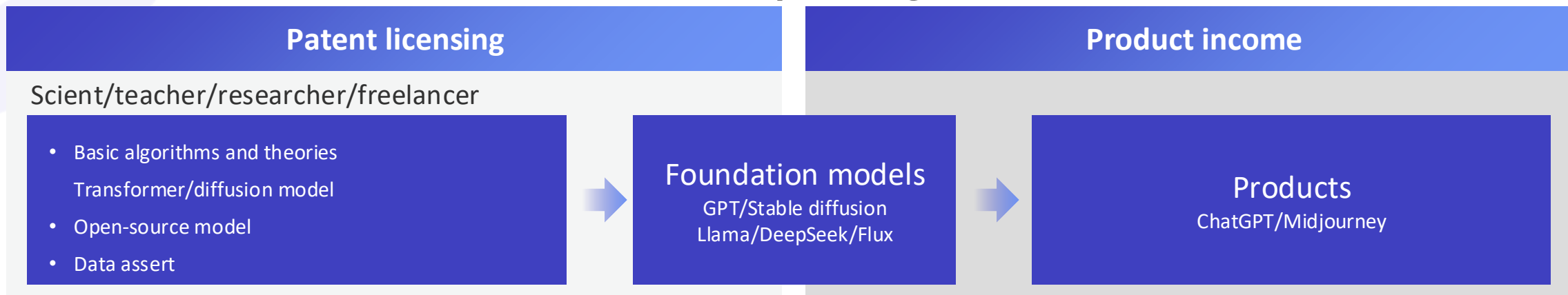
- ❖ Bitmodel is built on the UTXO blockchain that can be massively scaled, which is suitable for AI tasks.
- ❖ Leveraging the original Bitcoin protocol to develop the Layer-1 smart contract and tokenomics, which is the first AI application using the Bitcoin protocol.
- ❖ Using contribution flows to construct dependencies between diverse models, which is the first platform that is capable of rationalizing model contributions.



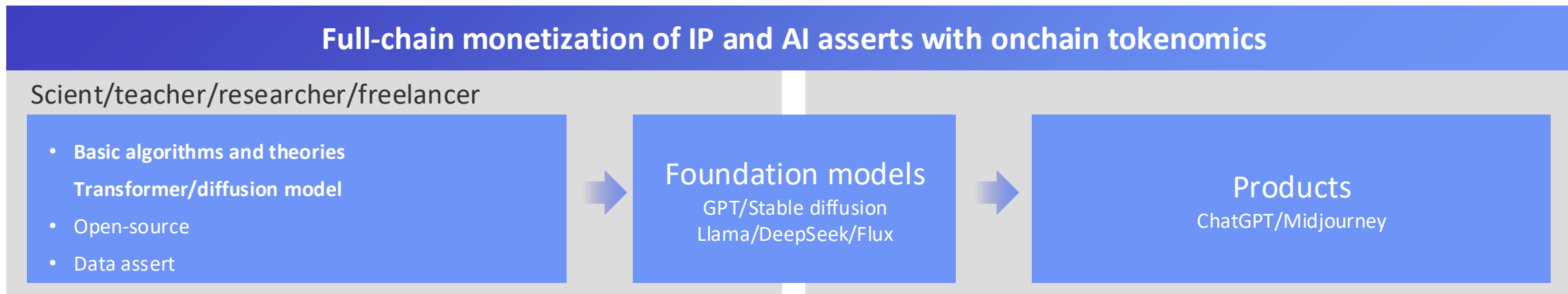
Bitmodel brings the possibility of changing the paradigm of AI asset circulation

Bitmodel will possibly change the paradigm of AI asset circulation. Traditional patent protection for intellectual property will be gradually phased out and replaced by blockchain-based infrastructures like Bitmodel. Bitmodel tokenomics can monetize the entire chain of AI asset circulation, making the value distribution of AI assets and corresponding products more reasonable, and contribution allocation in production clearer.

Current paradigm



Full-chain monetization of IP and AI asserts with onchain tokenomics



Join Us



JOIN US

VALUING EVERY CONTRIBUTION TO AI

Bitmodel: Building the largest onchain open-source platform for AI and science. Use technology to make AI benefit humanity.

Home Page: bitmodel.ai

PROJECT VISION:

Bitmodel is a long-term project, which was founded on January 8, 2024. Bitmodel aims to build a decentralized on-chain AI ecosystem using contribution flows (C-Flow) to rationalize AI contributions. Monetary income can be distributed back to the origin of model contributions via C-Flows.

Join Us



QUALIFICATION:

The project is currently recruiting part-time team members:

- **Web Front-End Developer:** Candidates need to be familiar with the React framework, and good at understanding basic AI concepts. Those with knowledge of blockchain development will be given priority.
- **Back-end Developer:** Candidates need to master common usages of the Go programming language, write high quality code. Those with AI to assist in development will be given priority.
- **Model Engineering Developer:** Candidates should be familiar with Python development and model inference. Those with knowledge of AIGC will be given priority.

THE REMUNERATION BEING OFFERED:

Bitmodel is run by Bitmodel Labs, which is a DAO whose members are leading senior AI experts, top blockchain geeks, and outstanding financial scholars.

Applicants can gain outstanding Web3+AI development experience and earn highly competitive Bitmodel token rewards. Join us now !



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Thanks !