

CHALLENGES

Qualified open source talent is still in short supply. **Participation in open source projects provides visibility into talented developers and is a great recruitment tool.**



CHALLENGES

Organizations and governments perpetually need **additional hosting infrastructures, computational power, smarter algorithms and advanced tools** to manipulate, sort, tag, label, etc., significantly large data sets.



CHALLENGES

Nurturing trust in AI-enabled products and services is a challenge. **Open source methodology, transparency and accountability enables the development of trustworthy AI systems and processes.**



CHALLENGES



Ensuring data privacy, security, and governance can be challenging, **exacerbated by varying legislation across countries and geographies.**

CHALLENGES

With the ascent of machine learning and its reliance on high quality data, **there is a need for data agreements which facilitate data sharing and create a predictable path for training ML models.**



CHALLENGES



Implementing and verifying trusted and responsible AI systems and processes **is critical for any AI-enabled system.**

OPPORTUNITIES

Trust and responsibility **should be core principles of AI.**



OPPORTUNITIES



The LF AI & Data Trusted AI committee focuses on policies, guidelines, and the development of technical projects to **ensure the implementation of fair and trustworthy AI systems.**

Edge computing is enabling a paradigm that moves AI and ML to where the data generation and computation takes place: edge devices.

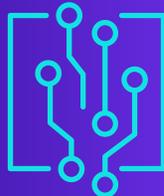
Marrying AI with edge computing enables enhanced performance and real-time decision making.

OPPORTUNITIES



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Embedding AI in chip design is one of the most significant market opportunities in hardware today, **along with specialized chips to implement unique requirements for powering the metaverse.**



OPPORTUNITIES

Both academia and industry are innovating to usher in a **new era of smarter, faster, and most efficient algorithms.**



OPPORTUNITIES



CDLA licenses enable wider sharing and usage of open data, **particularly to bring clarity to the use of open data for artificial intelligence and machine learning models.**