

Problems We’re Solving & Why We’re Doing This:

Traditional AI model training requires centralizing sensitive data, creating privacy risks and limiting collaboration.

We're enabling privacy-preserving collaborative AI by allowing organizations to contribute to powerful models without sharing raw data, while being rewarded for their participation.

We're transforming how communities solve shared challenges by making it possible to collaboratively build AI public goods without sacrificing data privacy or local control. This enables organizations to pool their insights safely to tackle pressing social and environmental problems while being rewarded for their contributions.

- Food Security: Food banks share insights without exposing vulnerable populations
- Healthcare: Hospitals collaborate on diagnostic models while protecting patient data
- Climate Action: Environmental organizations combine local data for better climate modeling
- Disaster Response: Aid organizations coordinate resources while protecting sensitive details
- Educational Equity: Schools improve learning outcomes while protecting student privacy

★ **Link to Hackathon Bounty and Technical Resources:** <https://fundingthecommons.notion.site/Decentralized-Federated-Learning-for-Impact-Driven-AI-0596b9bf15d44c458a6fb90f6b9a4fcd?pvs=4>

Decentralized Federated Learning Architecture

System Architecture

