DEDOC

Decentralized Doctors

DEDOC uses AI to find the right treatment for every patient

The future of collaboration starts here.

We use Federated Learning to train Machine Learning Models.

Patients Data remains secure and safe always.

REGISTER

Thankyou for choosing us , You're just one step away from becoming part of a Global Network , Where all the magic happens ,
LETS GO !

Kindly Enter your Hospital Details

Name

Country

City

MetaMask Address

Departments

Doctors

Email

NEXT

THANKYOU FOR REGISTERING !

We have received your application , Our team is in the process of reviewing your application according to our SOP

You will receive the confirmation of your Application via the Email provided earlier .

What is Federated Learning and how are we using it ?

Federated learning is a new decentralized machine learning procedure to train machine learning models with multiple data providers. Instead of gathering data on a single server, the data remains locked on servers as the algorithms and only the predictive models travel between the servers.

The goal of this approach is for each participant to benefit from a larger pool of data than their own, resulting in increased machine learning performance, while respecting data ownership and privacy.

How does federated learning solve the main challenges of machine learning in healthcare?

Machine learning has the potential to revolutionize all industries, including healthcare. It can do this by accelerating medical research using its ability to generate medical insights (from cancer biomarker identification to patient screening and genetic prediction from imaging). These applications not only strengthen researchers' abilities to make discoveries, they also help address time and cost challenges across the healthcare industry.

However, machine learning approaches are "data hungry". Algorithms need access to large and diverse datasets to train, improve their accuracy and eliminate bias.

Today's standard approach of centralizing data from multiple centers must be balanced with critical concerns regarding patient privacy and data protection. Software that handles personal data is bound by strict privacy laws. Healthcare systems must protect personal data at all times, and current standard practices such as anonymization may even require removing data that could be critical for medical discoveries.