

# Project Progress Presentation - I

## on

# Web3 & Blockchain based Decentralized Social-Connectivity web application



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# Introduction

Our project endeavours to reshape social media through Web3 technologies. By leveraging blockchain, smart contracts, and decentralized storage, we aim to create a user-centric platform that prioritizes ownership, transparency, and security.

Our vision is to offer users control over their data, transparent content moderation, and a decentralized architecture that mitigates censorship.



# Aim

Our primary aim is to develop a decentralized social media platform that addresses the limitations of traditional centralized platforms, focusing on user ownership, transparency, and censorship resistance.

# Objectives

1. Research to define project goals and requirements for decentralized social media.
2. Design technical infrastructure prioritizing scalability, security, and interoperability.
3. Develop infrastructure emphasizing scalability, security, and interoperability, with prototypes for visualization.
4. Advance project with frontend, backend, and database development, including smart contract deployment.
5. Prepare for deployment by configuring infrastructure, deploying contracts, and implementing marketing strategies.

# Methodology

- Research & Planning: Explore Web3 technologies and define project objectives.
- Frontend Development: Design and implement UI/UX components using Next.js.
- Smart Contract Development: Write Solidity contracts for platform functionalities.
- Blockchain Integration: Deploy contracts on Ethereum and integrate with frontend.
- IPFS Integration: Set up IPFS for decentralized file storage and integrate with frontend.
- Database Integration: Use MongoDB for structured data management.
- Testing & QA: Write tests for reliability and conduct user acceptance testing.
- Deployment & Maintenance: Deploy on cloud platforms and provide ongoing support.

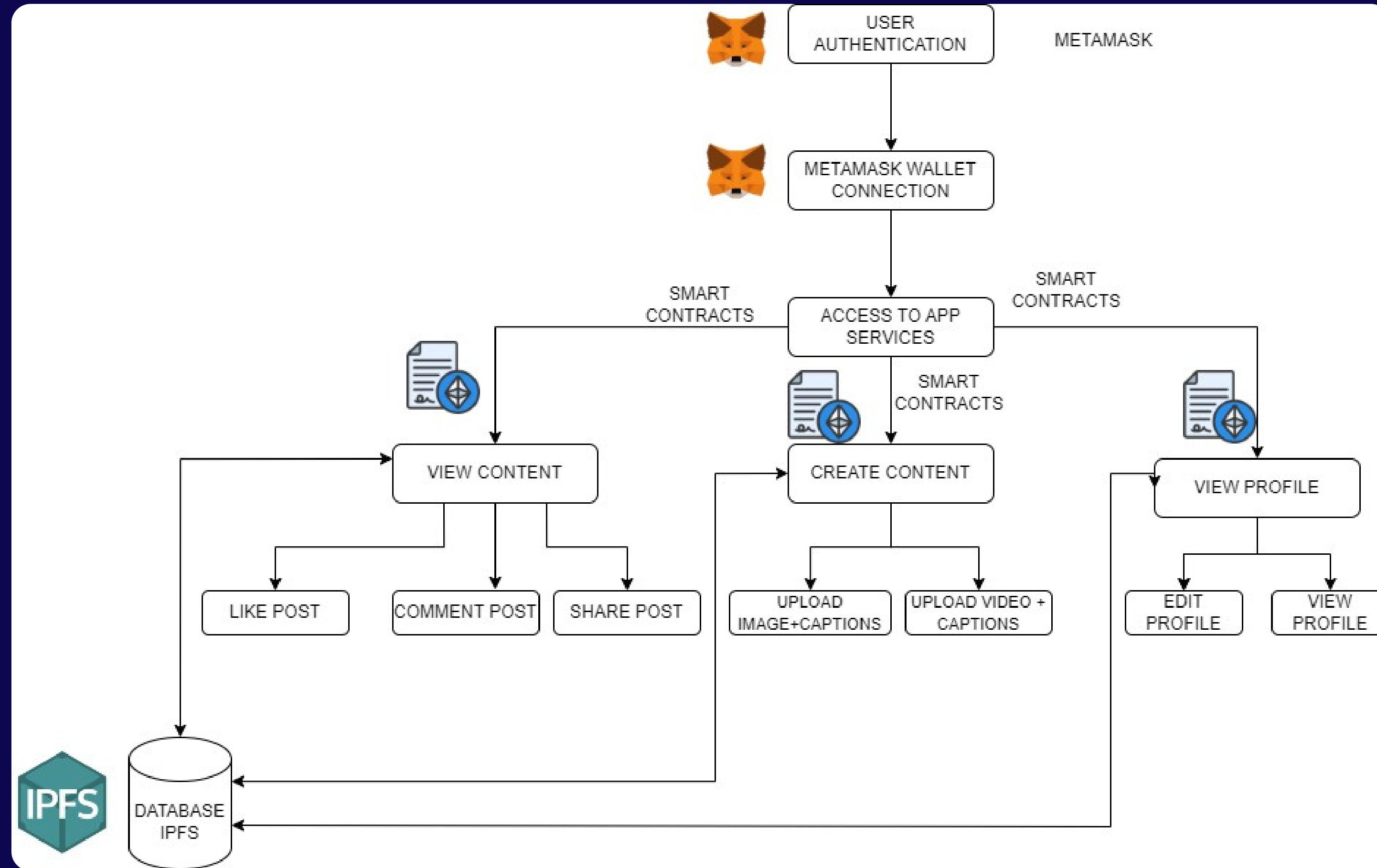
# Demo

## Blockchain Demo

<https://tools.superdatascience.com/blockchain/block>

## Smart Contracts Demo

<https://remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.24+commit.e11b9ed9.js>



Application	Website	Features/Functions	Classification
 <b>status</b>	<a href="https://status.im/">https://status.im/</a>	<ul style="list-style-type: none"> <li>decentralized communication</li> <li>private messaging</li> <li>pseudo-anonymous account generation</li> <li>an open source project</li> </ul>	messaging
 <b>steemit</b>	<a href="https://steemit.com/">https://steemit.com/</a>	<ul style="list-style-type: none"> <li>graphene framework</li> <li>a decentralized application</li> <li>reward creation</li> <li>monetizing without advertising</li> </ul>	social network
 <b>STORJ</b>	<a href="https://www.storj.io/">https://www.storj.io/</a>	<ul style="list-style-type: none"> <li>decentralized cloud storage</li> <li>built in a global network</li> <li>CDN-like performance</li> <li>transform data by P2P</li> <li>storage-based data protection</li> </ul>	storage
 <b>brave</b>	<a href="https://brave.com/">https://brave.com/</a>	<ul style="list-style-type: none"> <li>customizations</li> <li>high level of privacy protection</li> <li>browse and search privately</li> </ul>	browser
 <b>EOS</b>	<a href="https://eos.io/">https://eos.io/</a>	<ul style="list-style-type: none"> <li>OS-like blockchain platform</li> <li>commercial public chain</li> <li>graphene framework</li> <li>allow to create blockchain-based applications</li> </ul>	operating system
 <b>Ethlance</b>	<a href="https://ethlance.com/">https://ethlance.com/</a>	<ul style="list-style-type: none"> <li>Ethereum blockchain storage</li> <li>an original district on district0x network</li> <li>follow the IPFS protocol</li> <li>completely open-source</li> </ul>	remote job

Several representative products in Web 3.0

# Objectives Accomplished in Development phase

01

Designed and developed user-friendly interfaces using Next.js, ensuring seamless navigation and interaction.

02

Successfully developed smart contracts for the Ethereum blockchain to handle core functionalities related to user and posts.

03

Created and integrated database to store the user and posts related data.

# Future Steps

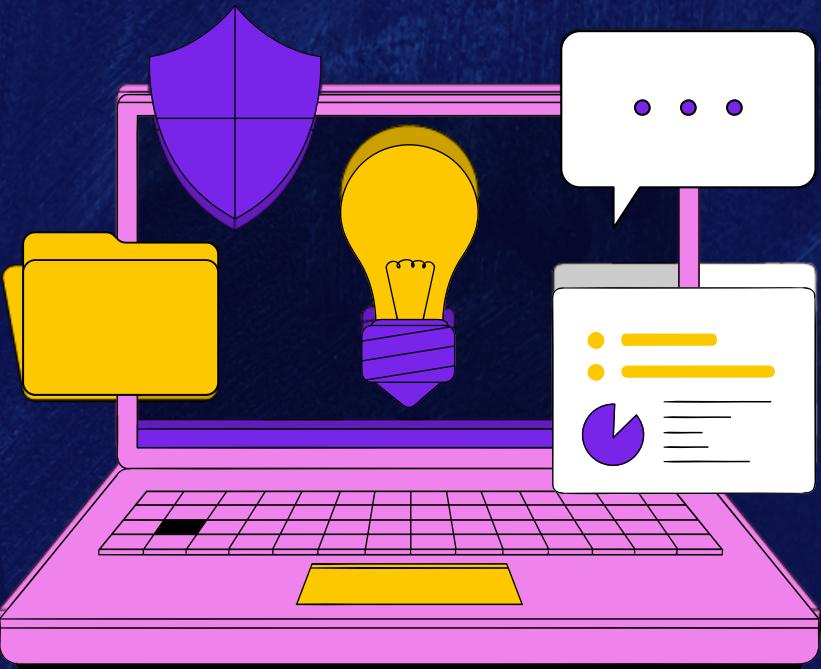
- **Backend Development:** Creating a secure backend to implement the smart contracts and integrate it with the frontend.
- **Decentralized Storage Integration:** Integrate IPFS for decentralized storage of media files, enhancing data security and reducing reliance on centralized servers.
- **Scalability Optimization:** Optimize backend infrastructure for scalability, ensuring seamless performance as user base and data volume grow.



# Conclusion

In conclusion, our project has made solid progress in building a decentralized social media platform. We've successfully designed and implemented the frontend, created smart contracts for Ethereum integration and created and integrated the database.

However, we still need to deploy the smart contracts by creating a backend for it and actively do the data management. Our next steps will focus on these tasks to fully realize our goal of a decentralized social media experience.



Thank you  
very much!

