

AGNEL INSTITUTE OF TECHNOLOGY AND DESIGN

Assagao, Goa – 403507
Electronics and Communication Engineering

Internship Viva Presentation (2025–26)

Industry Mentor

Mr. DEVANSHU JOSHI
Founder, iMeta Technologies,
Mapusa, Goa

Faculty Mentor

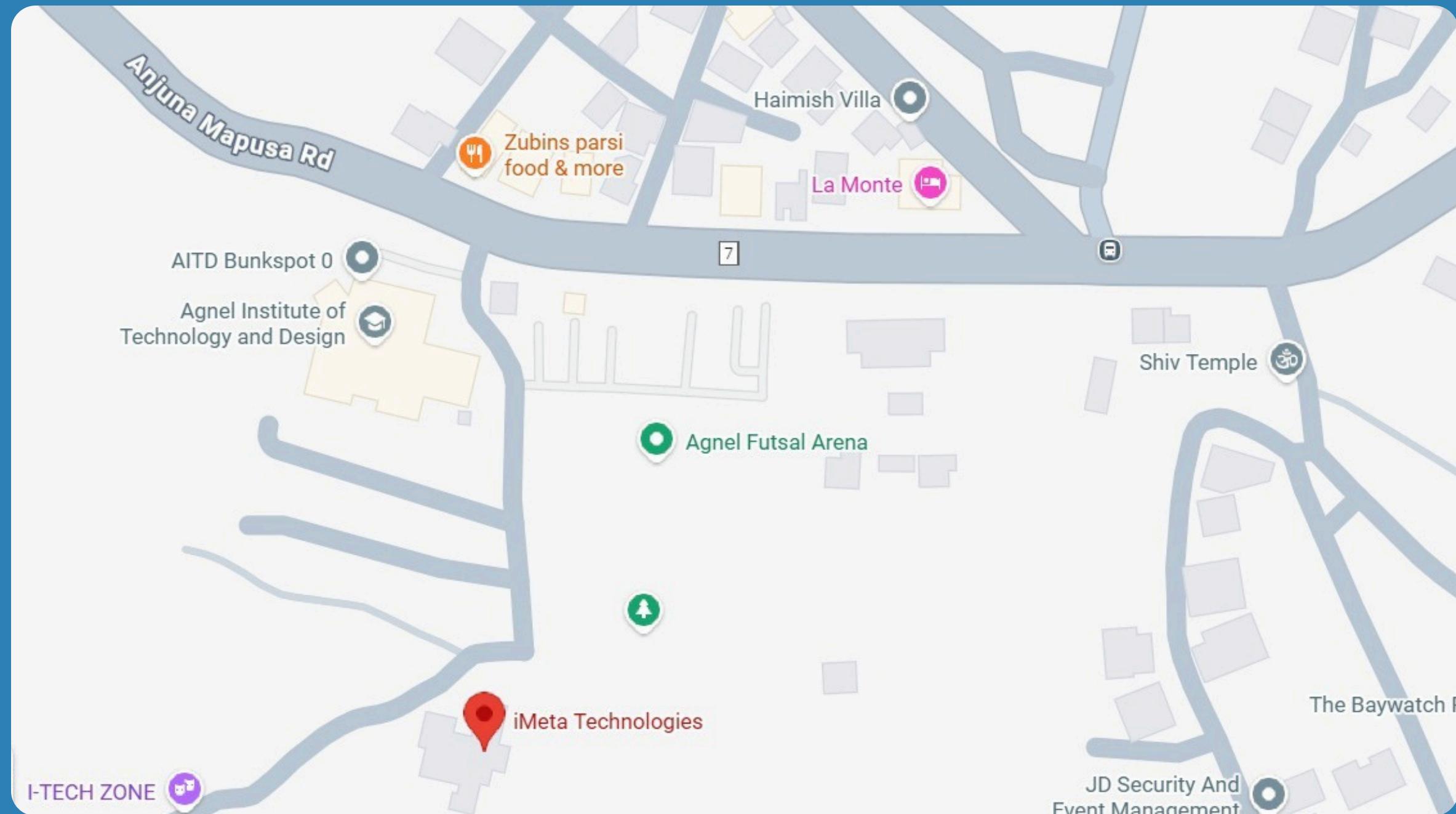
Mrs. NORA NAIK
Asst. Professor
Computer Department

Presented by: **GLEN LOBO (22CO19)**

Web
Development
Internship



Company Location and Internship Mode



Company Location:
iMeta Technologies, Mapusa,
Goa, India

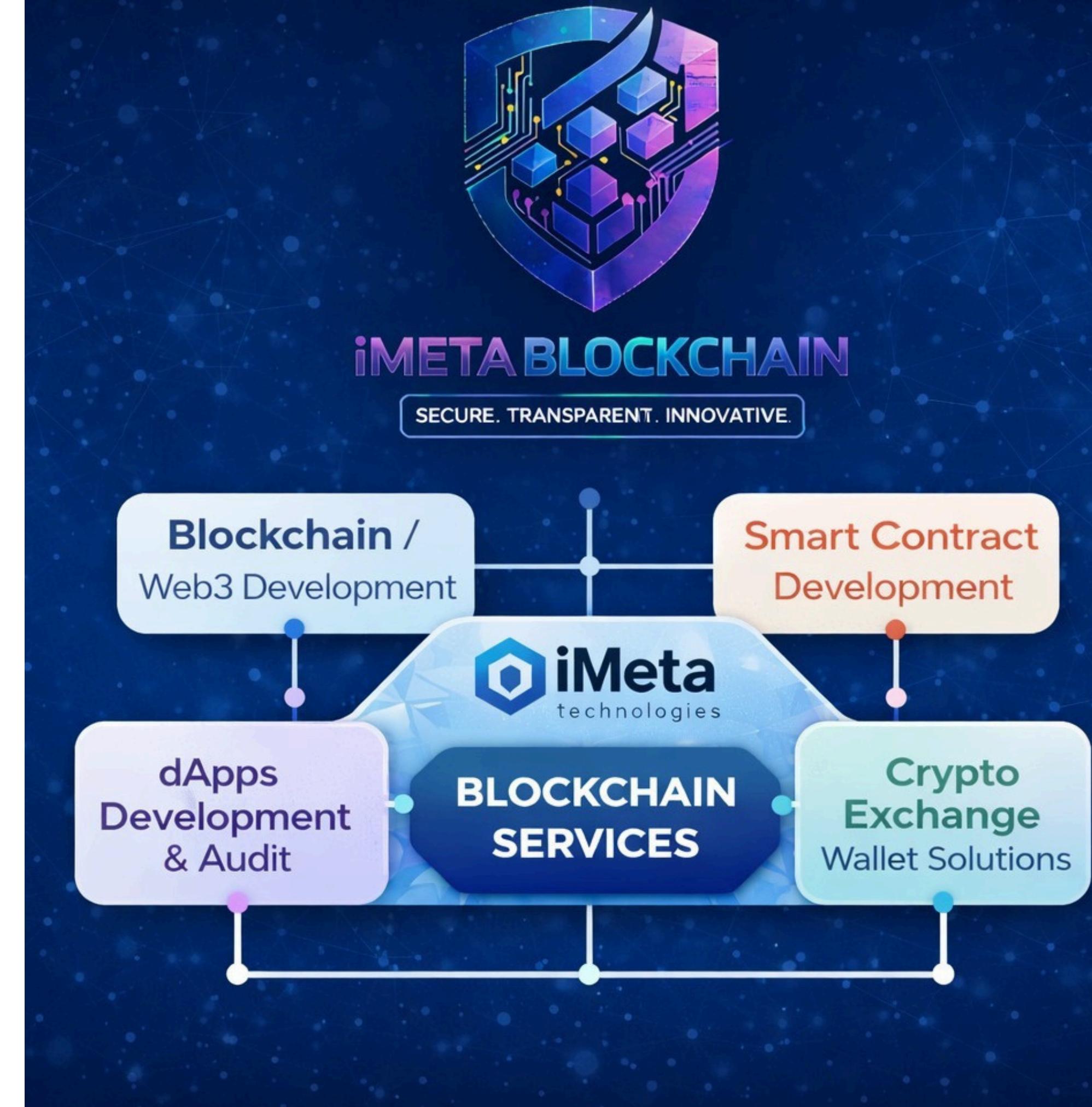
Mode of Internship:
Offline (On-site)

Internship Duration:
14 July 2025 – 06 September
2025 (8 Weeks)

Internship Role:
Full-Stack Web3 Developer

Mentorship Experience & Service Portfolio

During the internship, I received direct mentorship from **Mr. Devanshu Joshi**, the founder of iMeta Technologies. This experience fostered my independence and enhanced my skills through regular discussions and constructive feedback.



Weeks 1-4 Overview

WEB WALLET & TRANSACTION LEDGER

Introduction to Blockchain

Backend Development

During the first week, I was introduced to blockchain technology, exploring fundamental principles, decentralization, and its transformative potential in various industries.

Frontend Development

Web3 Integration



Weeks 2 focused on backend development using Node.js, Express, and MongoDB, where I learned to create RESTful APIs to facilitate communication between the front end and the blockchain.

In weeks 3 and 4, I transitioned to frontend development using React.js, gaining hands-on experience in building user interfaces that interact seamlessly with the blockchain components.

My work included integrating Web3 functionalities with MetaMask and ethers.js to enable user interactions with the blockchain, enhancing the overall user experience in the decentralized application.

Wallet Manager

Enter Name:

Send Tokens

Recipient Address:

Amount: BNB

Verify Transaction

Transaction Hash:

Wallet Manager

sahil

Address: 0xa43477e8E849a2Df7D18b2226536268cecF3A6a3
Private Key: 0xecdc47a4c1c66344ed98e15c17c537ddb9ac6f7827b81a5ff861f39102046485
Mnemonic: hungry basic person left arrive blush mimic skill taste scheme hand find

Scan to copy wallet

BNB: 0.001066245
USDT: 51.0
USDC: 2.0

Scan to copy wallet

BNB: 0.001066245
USDT: 51.0
USDC: 2.0

Send Tokens

0xd1DA742373108cC97B23C3C88f0F9E7419Cb6DD4

1

TX Hash: [0xc29a9e277bb818a5354c2bf2534e8a96e32ee555b48fabb36753155ebf5b2718](#)

Verify Transaction

0xc29a9e277bb818a5354c2bf2534e8a96e32ee555b48fabb36753155ebf5b2718

Wallet Manager

sahil

Address: 0xa43477e8E849a2Df7D18b2226536268cecF3A6a3
Private Key: 0xecdc47a4c1c66344ed98e15c17c537ddb9ac6f7827b81a5ff861f39102046485
Mnemonic: hungry basic person left arrive blush mimic skill taste scheme hand find
BNB: 0.00127602
USDT: 4.0
USDC: 3.0

Send Tokens

0xd1DA742373108cC97B23C3C88f0F9E7419Cb6DD4

1

TX Hash: [0x24770bd6c7ac5ba3013c7818ebb9edfa4ec9e0ae203613c391c8c40488b3befc](#)

Weeks 5-8 Progress

DECENTRALIZED SECURE CHAT SYSTEM

Smart Contract Development



During these weeks, I developed smart contracts for a Decentralized Secure Chat System, focusing on ensuring secure and efficient transactions on the blockchain platform.

Authentication System



An authentication system was implemented utilizing JWT to ensure secure user access, establishing robust backend logic for identity verification throughout the application.

Frontend Dashboard



Designed and developed a comprehensive frontend dashboard using React, enabling intuitive user interactions and effective management of secure chat related activities within the decentralized application.

End-to-End Integration



The culmination of the internship involved integrating all components, leading to thorough testing and deployment of the application, ensuring a seamless user experience and functionality.

Cyber Secure Chat

Initialize Connection

Connect your wallet to enter the secure network.

[Connect with MetaMask](#)

OR

Manual Wallet Address

[Link](#)

[Back](#)

Cyber Secure Chat

Wallet: 0x842b6e8ba8860962c10dd7a51ba5afbb0e086b46

BNB: 0.0000

USDT: 0.00

USDC: 0.00

Authentication

Wallet linked. Register a new profile or log in.

[Register](#)

[Login](#)

Cyber Secure Chat

[Logout](#)

Wallet: 0x842b6e8ba8860962c10dd7a51ba5afbb0e086b46

BNB: 0.0000

USDT: 0.00

USDC: 0.00

Contacts



krish

0xd8876f8b89806ff2e5a49f1045053ec4d3a230ed

[Clear All Users & Chats](#)

Select Contact

Choose a contact to begin.

Channel: krish

send a message to confirm you are "***"

13:44

Hiii

13:46

Hii

22:57

Hii

22:57

hiiii

19:50

hii

11:30

test

22:14

Message...



Learning Outcomes

Key Technical and Conceptual Insights



Technical Learnings

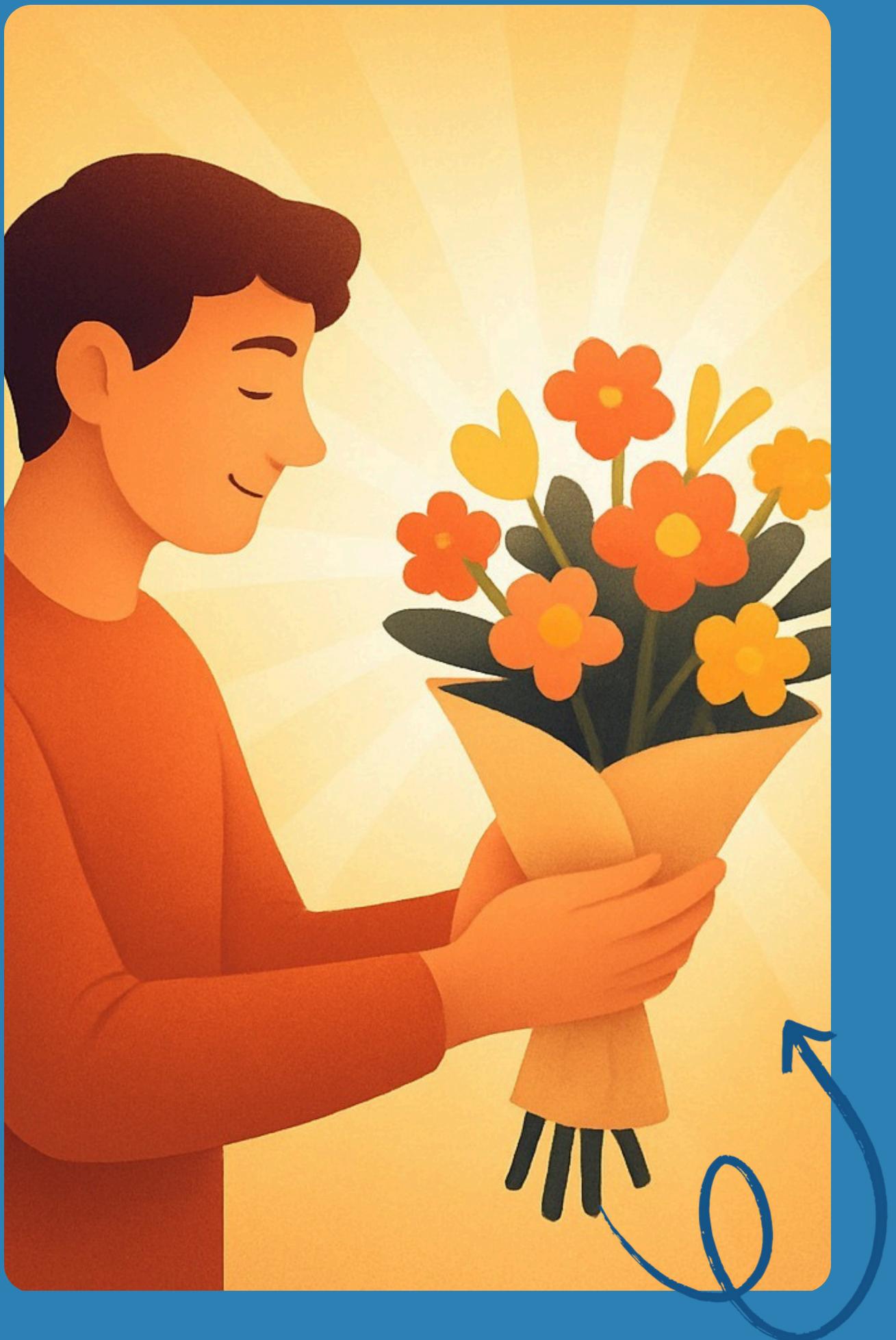
Gained proficiency in **Solidity smart contracts**, enabling effective blockchain interaction and backend development using Node.js, Express, and MongoDB for dynamic applications.

Conceptual Learnings

Developed an understanding of **Web2+Web3 hybrid architectures**, mastering decentralized identity concepts and the significance of blockchain security and trust in modern software solutions.

Decentralized Identity

Explored the implications of **decentralized identity systems**, focusing on secure data handling and user autonomy while integrating seamlessly with existing Web2 applications and infrastructures.



**THANK
YOU**

Thank you for your time and attention.