

**B.Tech Final Year INDUSTRY Project**

**on**

**Enthem**

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**Semester VIII**

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**Mentor : Mr. Yash More**

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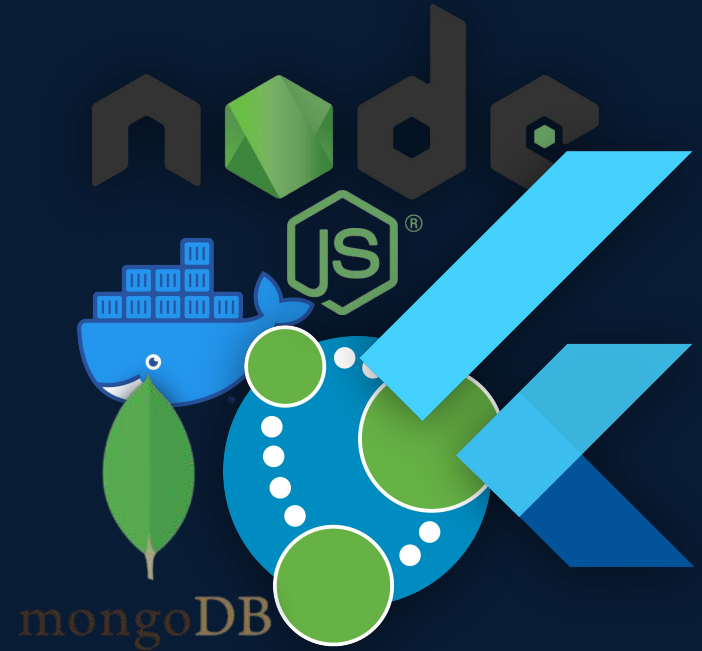


## ABOUT ENTHEM

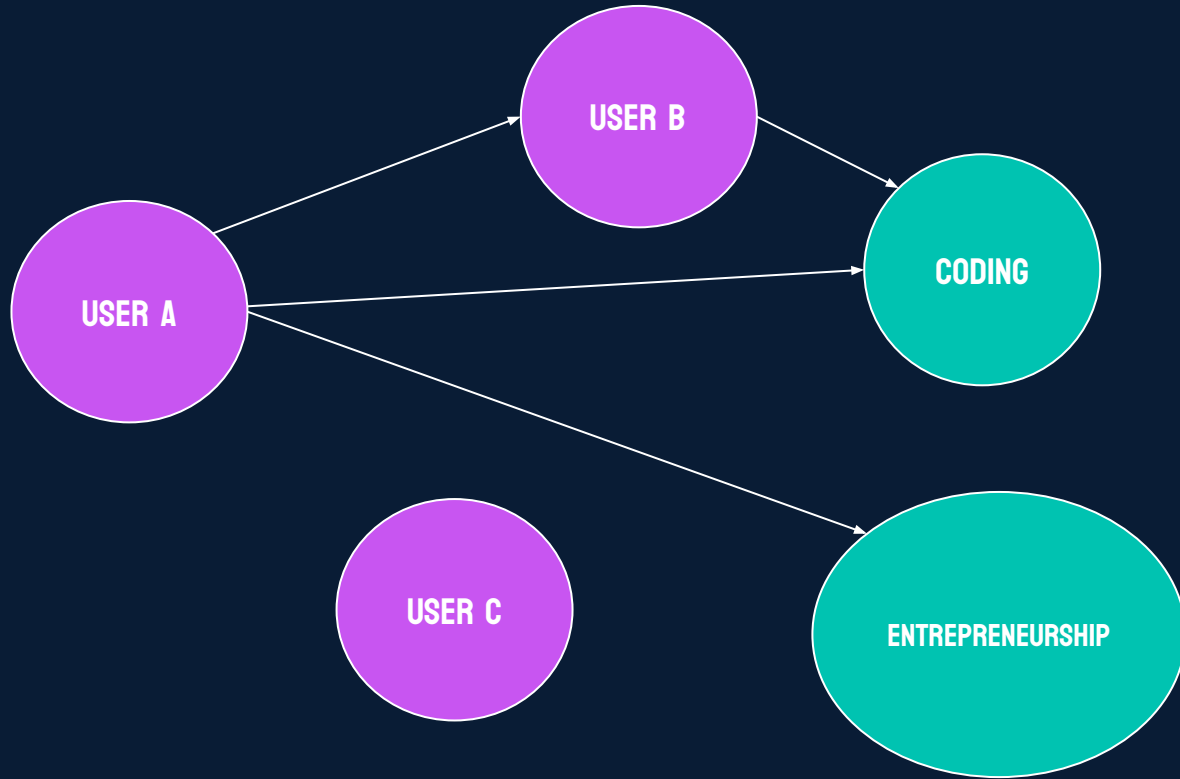
Enthem is a dynamic social media application that effectively connects individuals within proximity, fostering meaningful connections and enhancing networking opportunities.

# TECHNOLOGIES USED

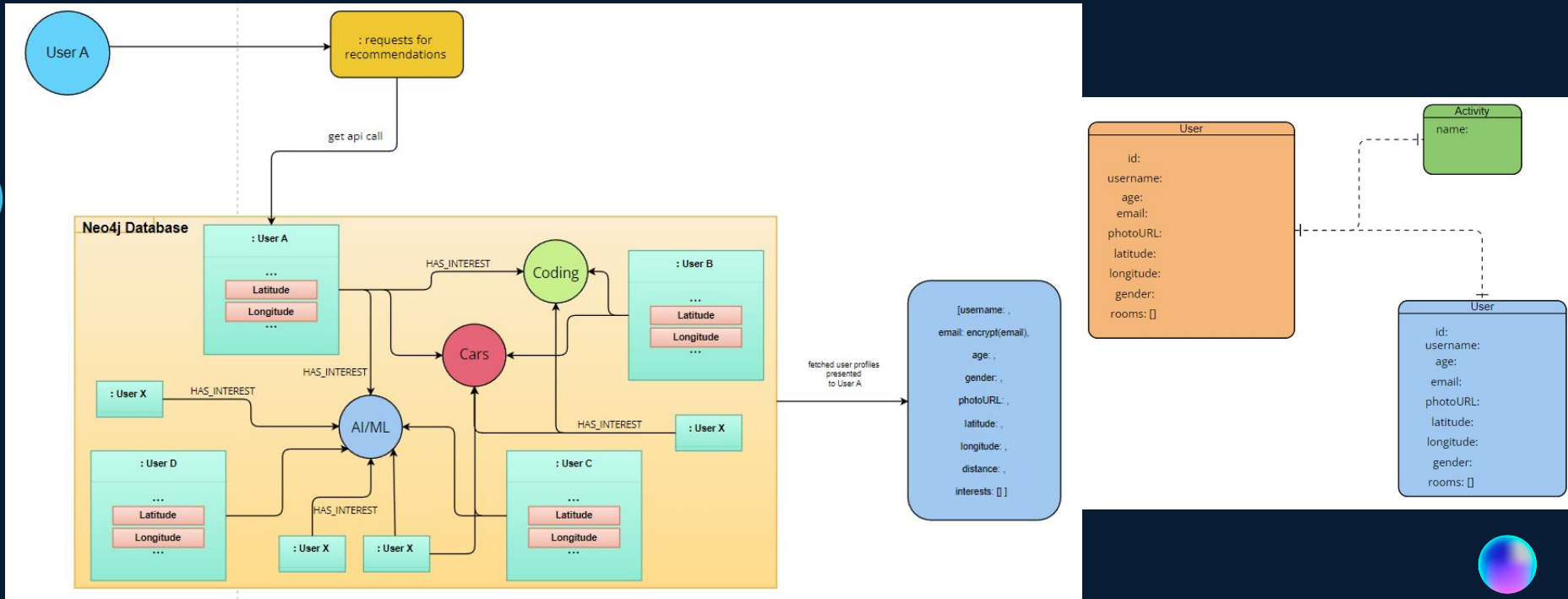
- Flutter and Dart
- Typescript & NodeJS
- Neo4j & AuraDB
- MongoDB
- Socket.io
- Docker



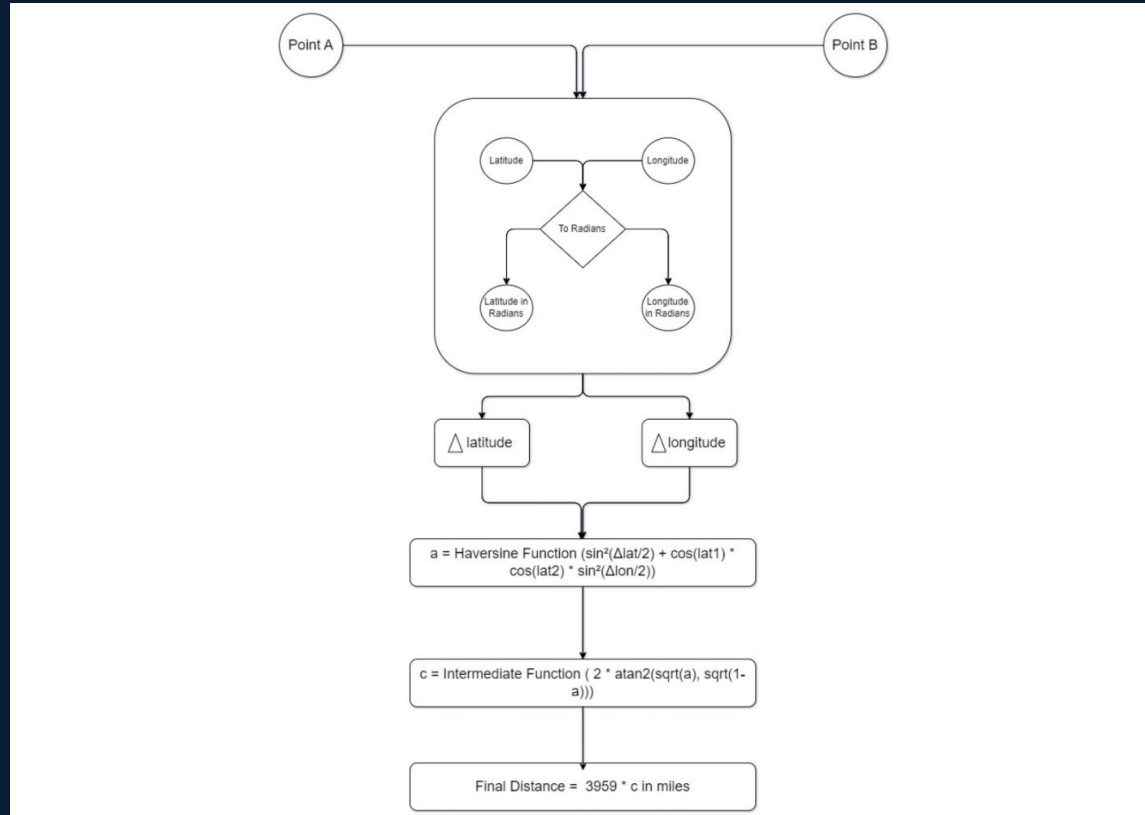
# NEO4J WORKING :



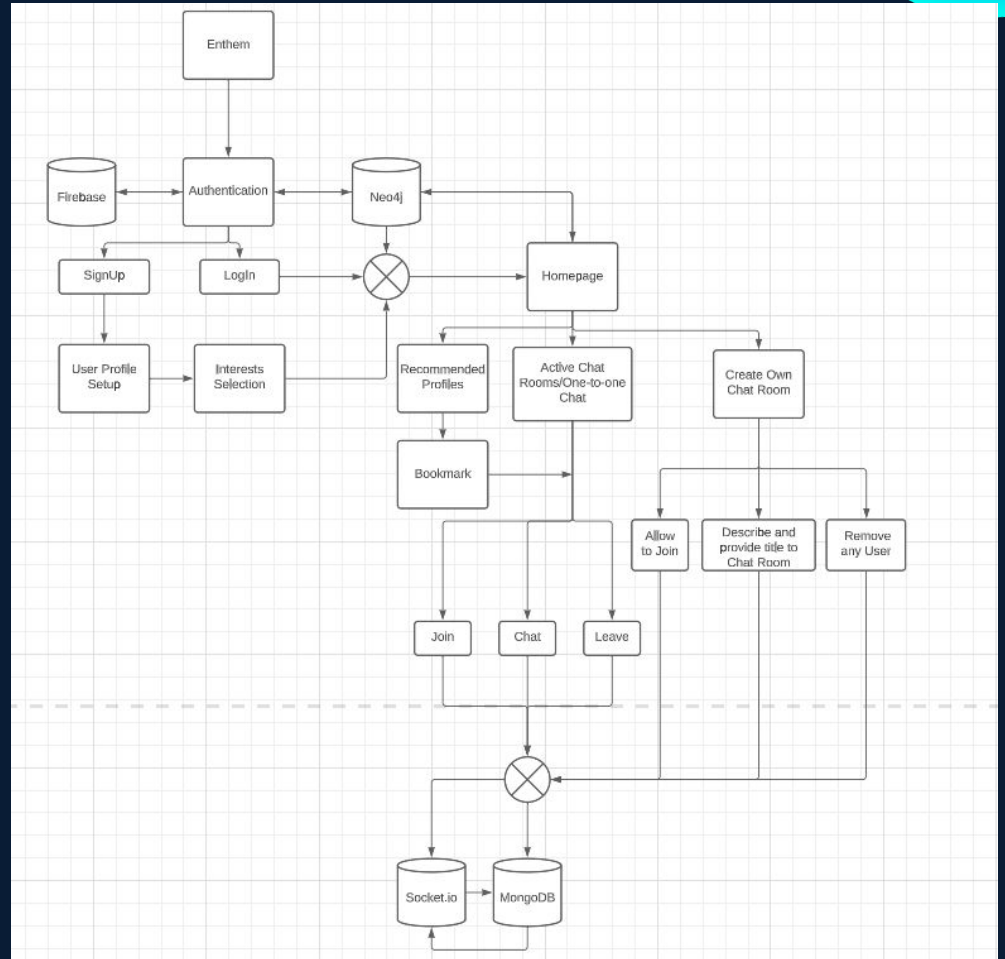
# DATABASE DESIGN AND NEO4J GRAPH DATABASE:



# HAVERSINE WORKING:



# APPLICATION WORKFLOW DIAGRAM:



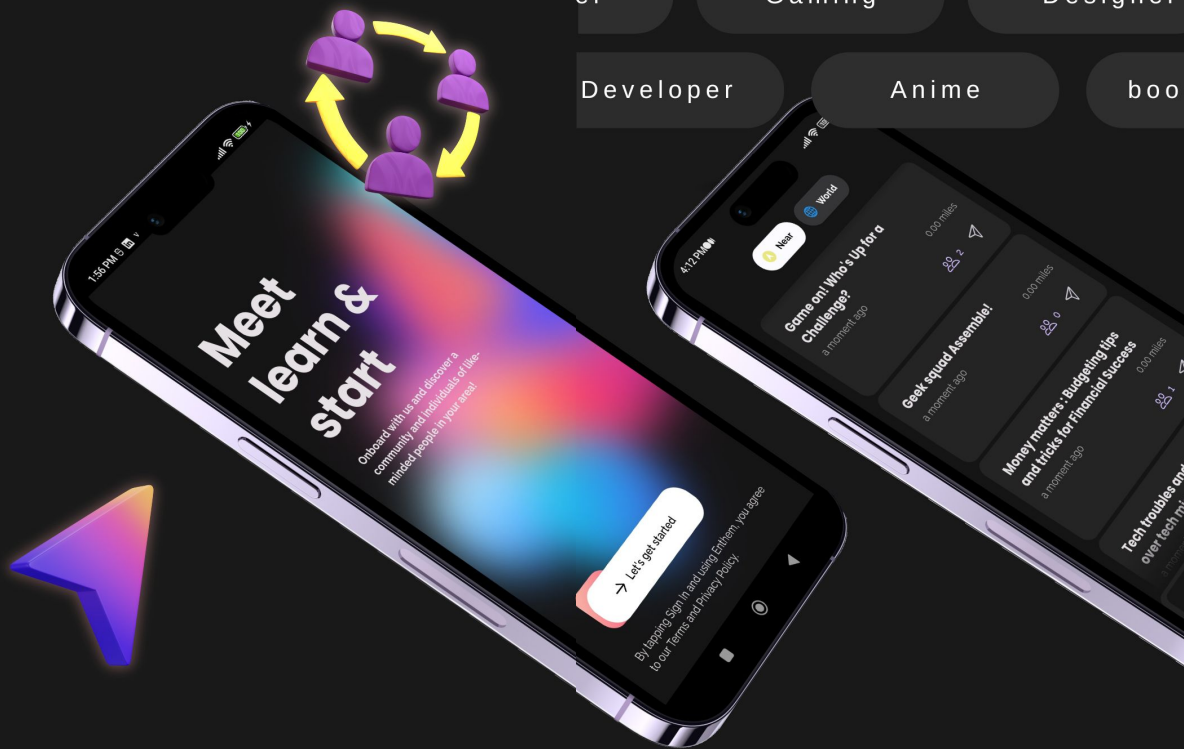
# APP STORE MOCKUPS

## FIND PEOPLE

like-minded individuals

## JOIN ROOMS

with similar interest

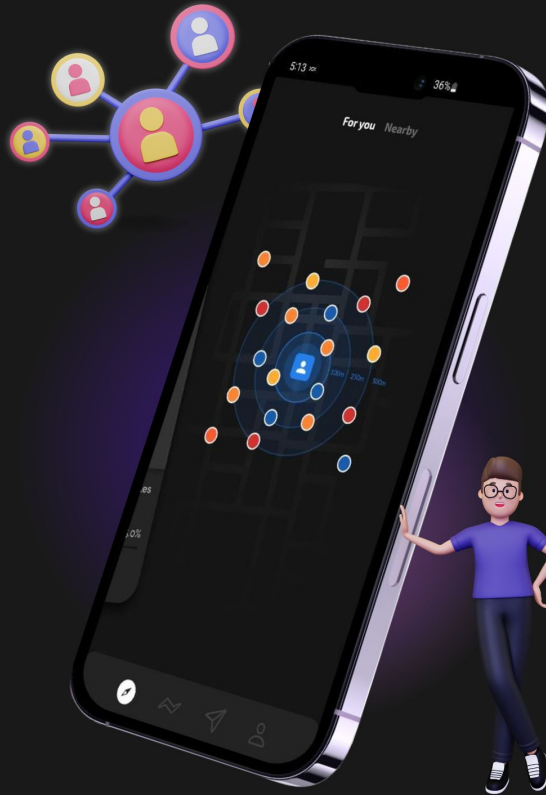




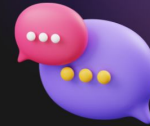
# APP STORE MOCKUPS

## NEW FRIENDS

discover people in your area



## GROUPCHAT WITH PEOPLE

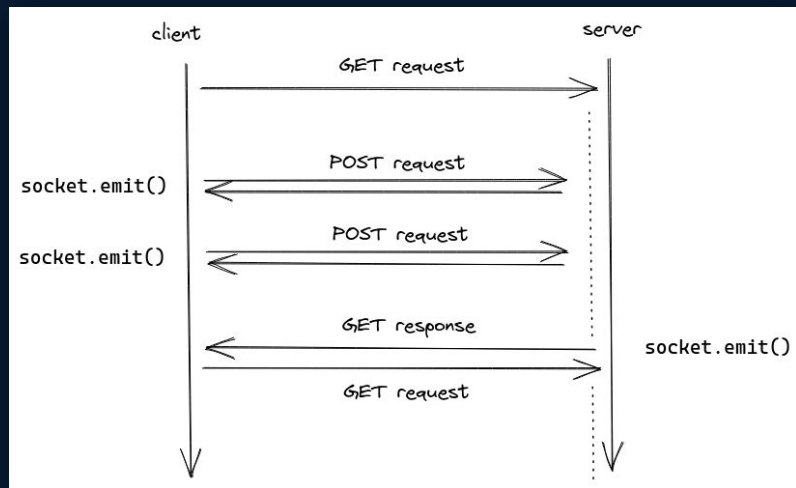


# SOCKET.IO

Enables real-time, bidirectional and event-based communication between the browser and the server.

## Benefits:

- Instant messaging
- Interactive chat rooms

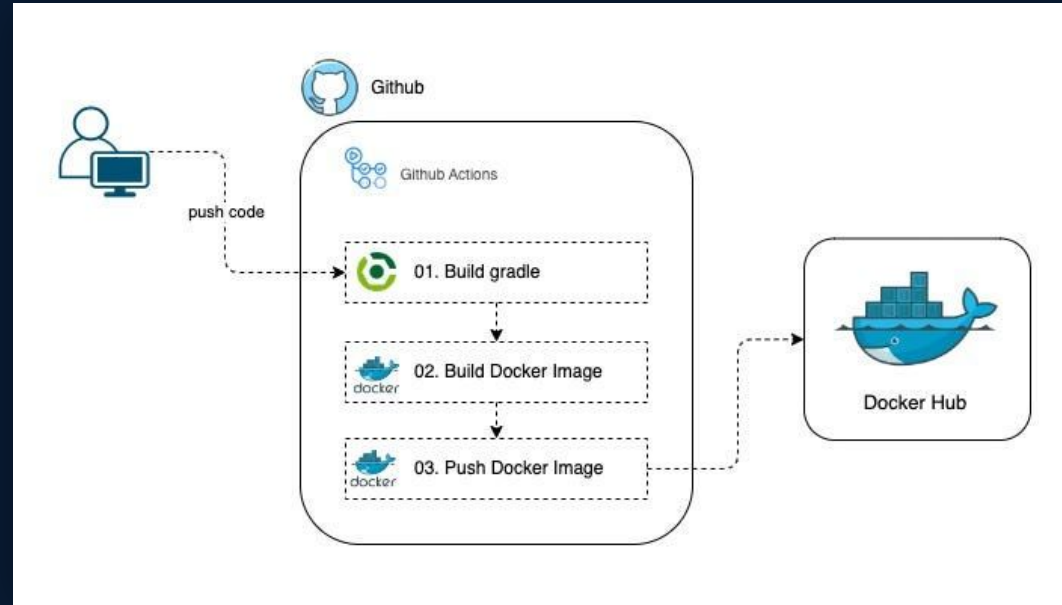


# SECURITY MEASURES

- Encryption:
  - ◆ Protects user data during transmission
  - ◆ Safeguards personal information, messages, and user profiles
  - ◆ Prevents unauthorized access or interception
- Tokenization:
  - ◆ Replaces sensitive data with unique identifiers or tokens
  - ◆ Uses JWT Web Tokens for authorization
  - ◆ Enhances user security and double-checks authentication for each user request
- Multi-factor authentication:
  - ◆ Requires Google account verification for sign-in activity
  - ◆ Adds an extra layer of authentication
  - ◆ Mitigates unauthorized access risks

# APPLICATION DEPLOYMENT

- Docker
- Github Actions
- Linode server
- Server automation

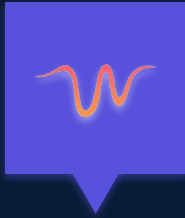


# UPTIME KUMA

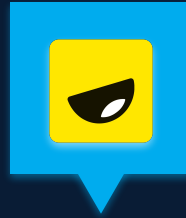
## ➤ Uptime monitoring



# OUR PRIME COMPETITORS



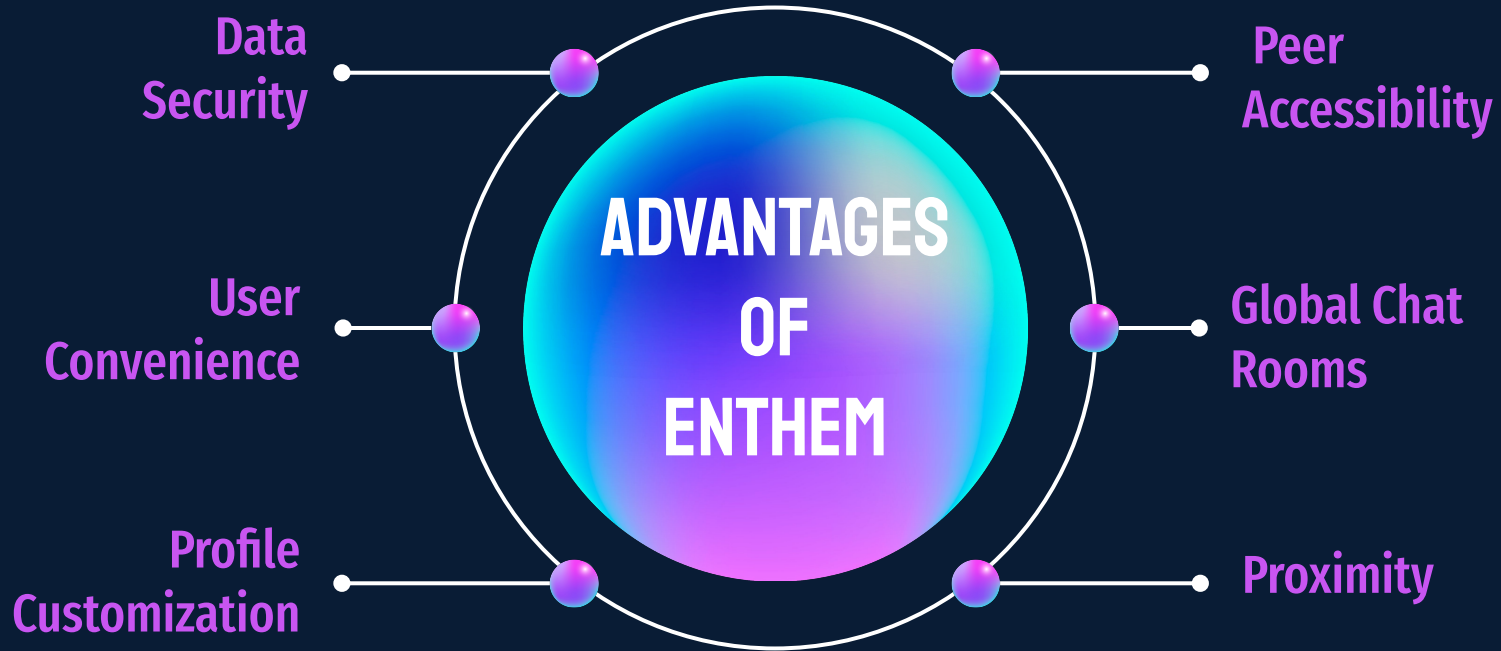
WYLO

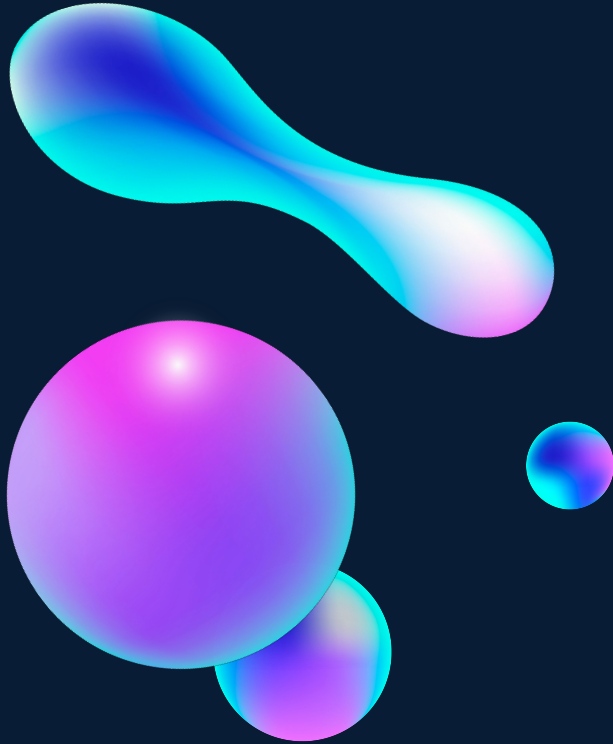


YUBO



NEARIFY





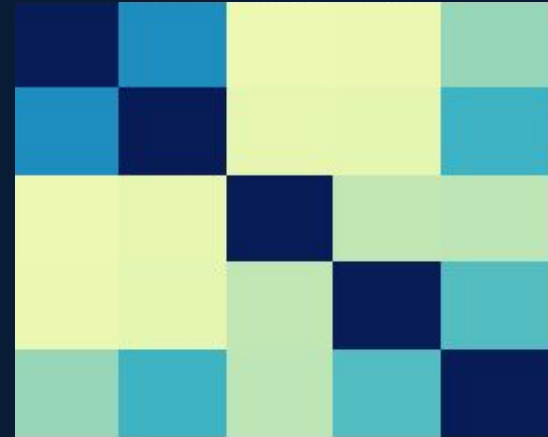
# UPCOMING UPDATES OF ENTHEM

- Enhanced User Experience
- Advanced Matching Algorithms
- Expansion of Features
- Global Connectivity
- Social Impact Features



# ENHANCEMENT THROUGH AIML

- ❖ Determine between two users based on their past interactions in chat rooms.
- ❖ We have experimented out with two AIML Models which allows a better user recommendations, that are:
  1. TFIDF Vectorizer - (Extracting important tags from title which increases the similarities between rooms)
  2. Cosine Similarity - (Enhances recommendation by mapping similarity between two users)
- ❖ **Benefits:**
  - Enhance user recommendations
  - Enable personalized suggestions for future interactions



The background is a dark navy blue. It features several abstract, flowing, organic shapes in shades of light purple and lavender, primarily located on the left and top edges. In the bottom right corner, there are two spheres: a small one and a larger one, both with a gradient from purple to blue, giving them a 3D appearance.

**THANK YOU !**