Introduction

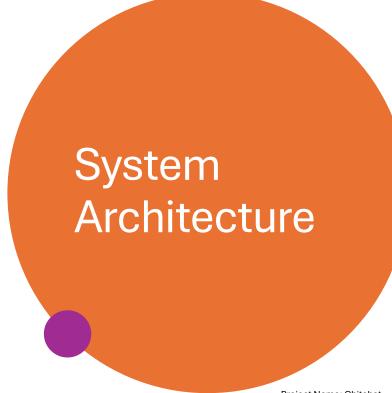
- A modern web-based community chat application
- Built with React (frontend) and Node.js (backend)
- Uses Socket.IO for real-time communication
- Provides two interaction modes:
 - Community Mode chat with all connected users
 - Al Mode chat directly with Al using OpenAl API

Project Name: Chitchat

Semester project presentation for iteration 0, Team 1

Created by Masih Vahida (Team Leader)





Frontend (React Web App)

- User interface for chat messages
- · Sends and receives messages in real time
- Option to switch between Community Chat and Al Chat
- Backend (Node.js + Socket.IO)
 - Manages connected clients
 - Broadcasts messages to all users in community mode
 - Routes Al-specific messages to OpenAl API
- Al Integration (OpenAl API)
 - · Receives user prompts from backend
 - Generates responses in real-time
 - Returns AI reply to the requesting user only

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Communication Flow

Community Mode

- User types a message
- Message sent via Socket.IO to backend
- Backend broadcasts it to all connected clients
- Everyone sees the update instantly

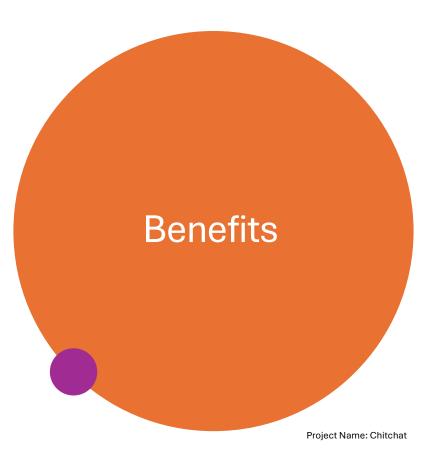
Al Mode

- User types a message
- Message sent to backend with "AI mode" flag
- Backend calls OpenAl API
- Al response returned only to that user

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- Community engagement users connect instantly
- Simplicity no complex setup, just open and chat
- Al-powered assistance enriches user experience
- **Extensibility** easy to add moderation, private rooms, or analytics

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