Chatbot Application README

Description

This Chatbot Application offers real-time communication between users and an AI-powered chatbot. The project is structured into two main components: a Node.js backend and a React frontend.

Features

- Real-time chat interaction with an AI chatbot.
- User authentication system including signup and login.
- Persistent chat history stored in a MongoDB database.
- Responsive and interactive UI built with React.

Technology Stack

- **Backend:** Node.js, Express, MongoDB, Mongoose, Socket.IO, Passport.js
- **Frontend:** React, React Router, Socket.IO-Client
- **Other Dependencies:** dotenv for environment variable management, bcrypt for password hashing, axios for HTTP requests.

Getting Started

```
### Prerequisites
- Node.js
- MongoDB
- npm or yarn
### Installation
1. **Clone the repository:**
 git clone https://github.com/your-username/your-repository.git
 cd your-repository
2. **Install backend dependencies:**
 npm install
3. **Set up environment variables:**
 - Create a `.env` file in the root directory.
 - Add the following variables:
```

4. **Install frontend dependencies:**

MONGO_URI=<your_mongodb_uri> OPENAI_API_KEY=<your_openai_api_key>

```
cd client
npm install

5. **Start the backend and frontend servers:**
- In the root directory, start the backend server:

npm start

In a new terminal, go to the `client` directory and start the React development server:

npm start

npm start
```

Usage

After starting the servers, access the application through `http://localhost:3000` on your browser.

License

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Contact

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Project Link: https://github.com/vinayshivaram30/AI_Chatbot