

AI Agent Installation Guide

Prerequisites

Before proceeding with the installation, ensure you have the following dependencies installed on your system:

- Node.js 20+ (for React frontend)
- Python 3.8+ (for Flask backend)
- Ollama (for AI model integration)

Step 1: Install Ollama and Llama 3

Ollama is required to run AI models like Llama 3.

Install Ollama

Download and install Ollama from the official website:

```
https://ollama.ai/
```

Follow the instructions based on your operating system.

Install Llama 3 inside Ollama

After installing Ollama, open the terminal and run the following command to install Llama 3:

```
ollama install llama3
```

Step 2: Setting Up the Project

Clone the Repository

```
git clone https://github.com/sukhpalarintech/AIAgent.git  
cd AIAgent
```

Set Up the Backend

```
cd server
python -m venv venv
source venv/bin/activate # On Windows use: venv\Scripts\activate
```

Install Dependencies

```
pip install -r requirements.txt
```

Run the Flask Server

```
python server.py
```

The backend should now be running at <http://127.0.0.1:5000/>.

Step 3: Setting Up the Frontend (React Client)

```
cd ../client
```

Install Dependencies

```
npm install
```

Start the Development Server

```
npm start
```

The frontend should now be running at <http://localhost:3000/>.

Step 4: Testing the AI Agent

Ensure both the frontend and backend are running, then access the web application at:

```
http://localhost:3000/
```

Test the AI Agent to ensure everything is working correctly.