MirAI User Manual

[**Installation Guide 1**](#_kfjcwnw3gh3q)

[Prerequisites 1](#_2s9b9kjgawd3)

[Clone the Repository 1](#_csuk6mrqucxk)

[Set up Python Environment 1](#_dekzw7m8vqzq)

[Set up MongoDB and Ollama 2](#_jjpe9ld88scp)

[Start the Frontend 2](#_trdknfek5nvv)

[Access the Admin Panel 2](#_pi24w6324jqj)

[**User Guide 2**](#_gbiyaq2bvaz4)

[1. Getting started 2](#_ow5xlhf0mlfe)

[2. Create Agent 2](#_j7juvhnjpmi0)

[3. Start conversation 3](#_pj7qelqe6rpw)

[4. Setup Picovoice (Speech Recognition & Wakeword) 3](#_kzsu3xun09lo)

# Installation Guide

## Prerequisites

* OS: Linux / Windows (with Docker support)
* Python = 3.11.3
* Git
* Optional: GPU (for local LLM processing)

## Clone the Repository

| git clone https://gitlab.computing.dcu.ie/choac2/2025-csc1097-mer-ai.git cd mirai |
| --- |

## Set up Python Environment

| cd backend make install |
| --- |

## 

## Set up MongoDB and Ollama

With docker running

| make db-up make ollama-up |
| --- |

Launch the Server

| make start |
| --- |

## Start the Frontend

| cd frontend/mirai-ui npm install npm start |
| --- |

## Access the Admin Panel

http://localhost:5000 for the backend

http://localhost:3000 for the frontend

# User Guide

## Getting started

* Navigate to Settings
* Head to Model Tab and pull a model.
* After model is downloaded, head to LLM Configuration, and create a LLM Configuration

## Create Agent

* Navigate to Agent Configuration
* Create a new agent
  + You can upload custom voice, profile picture and personality.

## Start conversation

* Navigate to Conversation
* Start a new conversation, selected any existing agent.
* Congratulation, you can start chatting with your personal assistants.

## Setup Picovoice (Speech Recognition & Wakeword)

* Register a picovoice account on <https://console.picovoice.ai/>
* Insert access key in Settings tab