

Theme/Title Bachelor Thesis AGREEMENT

Student's first name and last name: Adrian-Vasile Șorecău

Specialization: Informatics (in English)

Class academic years: III

First name and last name of the scientific advisor: Ioan-Daniel Pop

Thesis domain: Artificial Intelligence and Mobile Application Development

Thesis title: AI-driven Meditation Recommendation System Based on User Sentiment Analysis

Bachelor thesis topic description:

Choosing the best meditation to suit your feelings could take a long time, and until you find one that addresses your problem, you might not be in the mood to meditate anymore.

The mobile application "wlad" was developed to centralize a collection of meditations so that users can choose the session that best suits their feelings by inputting what they are looking for.

The application will have 2 roles: the user and the administrator. The latter will have the same functionalities as the former, but with the addition of an "Add new meditation" functionality that will allow him to upload new meditation sessions in the database. After the administrator inserts a new meditation, an AI model will analyze the audio and will assign an embedding to it such that when the user inputs their feelings, another AI model will analyze their text and based on the embeddings of the meditations and the input, it will retrieve the meditation that best suits what they need. For example, if someone is in a really good mood, a guided meditation for raising their happiness could be the best fit for them. Another scenario could be a person who did something embarrassing; for them, a meditation for self-forgiveness and shame-releasing fits them best.

Date, 10.03.2025

Student signature,



Scientific coordinator signature,

