

In this project, Kaishuo Wang and Feier Zhang have divided their responsibilities based on their respective areas of expertise. Firstly, they will jointly look for datasets and papers related to mental health, explore and learn them, prepare for training models, and then they will each preprocess the datasets they will use. Kaishuo Wang will focus on choosing, training, debugging, fine-tuning, and testing the models used in the virtual assistant to communicate with users and provide mental health-related information. This will involve developing natural language processing models to understand user queries and respond appropriately. Feier Zhang, on the other hand, will be responsible for choosing, training, debugging, fine-tuning, and testing the models used in the virtual assistant for detecting the user's mental health problems. This will involve developing machine learning models to analyze user behavior and provide valuable feedback to users, helping them gain insights into their mental health status and facilitating appropriate interventions or recommendations. Together, they will work on the user interface, making sure it is user-friendly and accessible, which encourages users to interact comfortably with our virtual assistant and fosters an environment of trust and open communication. Finally, they will together test the performance of the entire virtual assistant, and fine-tune it to make it better.