#### Project`s Business Model Presentation Slide deck URL - [Business Model PPT Link](https://github.com/Oversoul73/DS-Capstone-Spring-2024/blob/main/Assignment%20-%203/EmotiSense_Business_Model_Presentation.pptx)

Project`s Pitch Video URL - [Pitch Video Link](https://youtu.be/3HBTKq0hJ84)

#### 

#### **Team Contribution Report**

**Team Member 1: Atmakuri Krishnasai Bharadwaj**

**Role: Full Stack Developer**

**Overall contribution to the project: 30%**

**Contributions:**

* Gathered datasets for image/facial data
* Researched and implemented the MongoDB connections
* Researched and implemented FastAPI
* Initialized a dummy Streamlit application
* Successfully implemented the triangle approach/connection with a dummy database, API connections and displaying it on the Streamlit
* Researched on the LLaVA model and its implementation
* Researching how to implement API calls of the models (LLaMA/LLaVA)
* Contributed in making slide decks, reports/documents, and pitch video as a part of the team

**Team Member 2: Mohammadreza Akbari Lor**

**Role: AI/ML Engineer**

**Overall contribution to the project: 30%**

**Contributions:**

* Gathering datasets for model fine-tuning
* Researching appropriate LLMs for the different modalities
* Researching methods for efficient fine-tuning of LLMs
* Initial exploratory data analysis of audio datasets
* Using Wav2vec as speech to text model
* Fine-tuning Wav2vec for emotion detection from audio based on target emotions
* Researched LLaMA architecture for fine-tuning
* Help in writing report documents, presentation slides and pitch video with the rest of the team members

**Team Member 3: Mohitha Dayana**

**Role: Data Analyst**

**Overall contribution to the project: 20%**

**Contributions:**

* Developed connections between FastAPI and MongoDB for smooth interaction
* Ensured efficient data retrieval,storage,and manipulation processes
* Combined FastAPI’s async capabilities with Streamlit’s frontend features
* Enhanced usability and functionality of the application through these integrations
* Generated Pitch video using Invideo tool and helped in other works

**Team Member 4: Hema Nagini Matta**

**Role: Data Engineer**

**Overall contribution to the project: 20%**

**Contributions:**

* Created and connected Back-End MongoDB cloud service for data storage and retrieval.
* Developed a sample business strategy planner for the project
* Researched the current trends and goals for emotional wellness, and noted some valuable insights for different emotion suggestions.
* Contributed in gathering text datasets for the model training of LLMs
* Prepared the business plan presentation slide deck