**EmotiSense: A Multi-Sensory Emotion Detection Framework**

**TEAM - 4**

All Codes Link: <https://github.com/Oversoul73/DS-Capstone-Spring-2024>

Personal Code github Link: <https://github.com/Oversoul73/DS-Capstone-Spring-2024/tree/Nagini>

Poster Link: <https://github.com/Oversoul73/DS-Capstone-Spring-2024/blob/main/EmotiSense_Poster.pdf>

Individual Report Link: <https://docs.google.com/document/d/1dgxFfRvQVo807vyWQMKFuxvaKdOO_bVHNiHVzHSI8jo/edit?usp=sharing>

Video Link: <https://youtu.be/VFgFimf6ODU>

**OUR TEAM MEMBERS:**

Atmakuri Krishnasai Bharadwaj

Mohammadreza Akbari Lor

Mohitha Dayana

Hema Nagini Matta

**Self-Evaluation Report:**

* 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 to gathering text datasets for the model training of LLMs.
* Prepared the business plan presentation slide deck.
* I committed to prepare a summary report for the technical code and overall project .
* Helped in creating the conceptual diagram and model diagram construction using Draw.io tool.
* I browsed for the LLM models that can be perfect for comparing with the standard machine learning models for recognizing the emotion in a given recorded audio.
* Executed the codes with different datsets, during coding I experienced different types of errors like storage, librosa library, connecting to my OS, it took too long to upload the data files in my drive.
* Also the execution time for audio emotion detection part for like 6 hours straight.
* Using Autoencoders was firsttime experience to me. Choosing a model with particular dataset and uploading the data to drive was time consuming.