Self-Peer-Evaluation

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Team: Data Divers

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Self-Evaluation:

I proposed the idea of a dual model to make the solution more efficient and accurate. I also suggested the **User Account feature** for the application. I worked on the **male dataset**, implemented a machine learning model for structured data, and achieved **74% accuracy**. Although the accuracy didn’t improve further, I gained valuable experience in **model building, feature selection, and techniques to boost accuracy**.

Additionally, I developed a **deep learning model for CGM data**, which reached **99.28% accuracy**. However, due to classification limitations, we didn’t proceed with it in the final submission. I also worked on generating **recommendations** that are shown along with predictions.

One challenge was achieving higher accuracy with the male dataset. I used multiple techniques to improve it but could only reach 74%. Working on feature selection and switching from deep learning to machine learning helped me learn more about improving performance with structured data

I actively cooperated and communicated with my team in all aspects of project development, including technical tasks and documentation. I could further focus on **optimizing models** for accuracy and performance. Additionally, I aim to explore more **advanced techniques for structured data** along with time series data like CGM values.

Ashna Ali :

As the project lead, she did an excellent job developing models for both genders with the highest accuracy, which we included in the final submission. She worked efficiently, leading the team and guiding us with her expertise. Her preprocessing of the female CGM data was very effective, and I followed her approach when working on the male CGM data.

Sai Kiran Basetty :

Sai and I worked closely on developing the **male model** and **male CGM model**, collaborating on implementing techniques to improve accuracy. He played a key role in the **development process** by supporting meetings and project discussions. Sai provided valuable **practical insights** that helped refine and enhance my ideas, contributing to the success of the project. His support was essential in making sure we stayed on track with development. He performed well and was very helpful throughout the project.

Sreevardhan Reddy Soma:

He was very supportive and provided valuable insights that helped in implementing new ideas.  
He took responsibility for the UI development, allowing the team to focus on optimizing the models.  
His collaboration with Ashna on the female model was impactful and commendable. Overall, his contributions and teamwork greatly enhanced the project’s progress.