Weekly Journal

**Date:** 14/08/2025  
**Attendees:** Bhargava Dandu  
**Supervisor:** Dr. Zohaib Ijaz

**Key Discussion Points:**

* **Progress Update:** We have further tuned the ML model by performing Hyperparameter tuning and achieved good results.
* **Challenges Faced:** The major challenge faced while performing hyperparameter tuning is choice of search strategy.
* **Next Steps:** The next steps are to further implement ML techniques to enhance model performance and finally implement XAI techniques for explaining the model’s predictions.

**Journal Prepared by:** Bhargava Dandu.

**Signature of Supervisor**