**Day 22 — 18 July 2025 (Friday)**

**Topic: Finalizing The Best Model & Saving Using Pickle**

After comparing model performances, we finalized the best-performing model. The trainer introduced **Pickle** to save the trained model and reuse it without retraining. This is important for deploying ML applications.

import pickle

pickle.dump(model, open('spam\_model.pkl','wb'))

We also saved TF-IDF vectorizer to ensure consistent text processing at runtime. This was an important milestone — our ML model is now ready for integration into a user interface.