**Day 28 – Monday, 28 July 2025**

**Topic:** Report Documentation and Visualization  
**Objective:** Prepare the final project report and create visual representations.

**Summary:**  
Today I focused on preparing the **final documentation** for the *Student Performance Prediction* project. The report covers the complete workflow — from data preprocessing and model development to deployment. I structured the document into key sections: project introduction, objectives, methodology, data description, model performance, and conclusions.

In addition to written explanations, I created several **visualizations** to enhance clarity and presentation quality. Using libraries such as **Matplotlib** and **Seaborn**, I generated bar charts, correlation heatmaps, and performance comparison plots to visually demonstrate how different features influence student performance. I also included screenshots of the **Streamlit interface** to showcase the working system.

These visuals made the report more informative and easier to understand, especially for non-technical reviewers. Proper formatting and labeling were maintained throughout to ensure professional documentation standards.

**Additional Notes:**

* Used plots to compare model predictions and actual results.
* Added descriptive captions and explanations for each figure.
* The report now effectively communicates both the technical process and the practical usefulness of the model.