Day 9 – June 28, 2025

Topic: Introduction to AI & Machine Learning Basics

Introduction
 Today, I explored AI and ML concepts. I learned how machine learning allows computers to learn patterns from data without explicit programming.

Data Handling with Python

- Libraries used: **NumPy**, **Pandas**.

- Loaded datasets, handled missing values, and explored data.

Example

```python
import pandas as pd
data = pd.read_csv('dataset.csv')
print(data.head())
```

Challenges Faced

- Understanding data types and preprocessing steps.

Key Learnings

- Clean data is essential for building accurate ML models.

- Data exploration helps identify trends and anomalies.

Conclusion / Reflection
 Excited to integrate ML in web apps. I need to practice preprocessing and visualization more.