

# DATA SCIENCE ASSIGNMENT

## Day - 36:

- 1. Which clustering algorithm is known for its ability to identify clusters of arbitrary shapes and sizes based on the density of data points?**
- 2. What clustering algorithm is based on a centroid-based approach and requires specifying the number of clusters before the algorithm runs?**
- 3. Which clustering algorithm is capable of automatically determining the number of clusters and is known for handling non-convex shapes?**
- 4. What are the main parameters of the Affinity Propagation algorithm, and how do they impact its performance? with example**
- 5. How can GMM be used for anomaly detection?**

