

Cycle-2: Final List

1. Operating Systems (OS):

Process vs Thread, CPU Scheduling Algorithms, Deadlocks(Conditions, Prevention, Avoidance), Memory Management (Paging, Segmentation, Virtual Memory), Inter-Process Communication (IPC), Shared Memory, Message Passing, Semaphores & Mutexes

2. Jenkins (Jobs, Pipelines, CI Automation), (Groovy Script), Maven.

Kubernetes Basics (Pods, Deployments, Services)

3. Evaluation Metrics: (Accuracy, Precision, Recall, F1-score), Overfitting, Underfitting & Bias–Variance Tradeoff, Confusion Matrix.