

Srinivasa Ramanujan Centre
Kumbakonam

AI – Yatra
SASTRA-TIC Initiative

Summer Vacation - 2026
Learn to Learn Magic
LLM@SRC
Machine Learning in 30 Days

Compiled by

Dr.B.Santhi
Dean
Srinivasa Ramanujan Centre

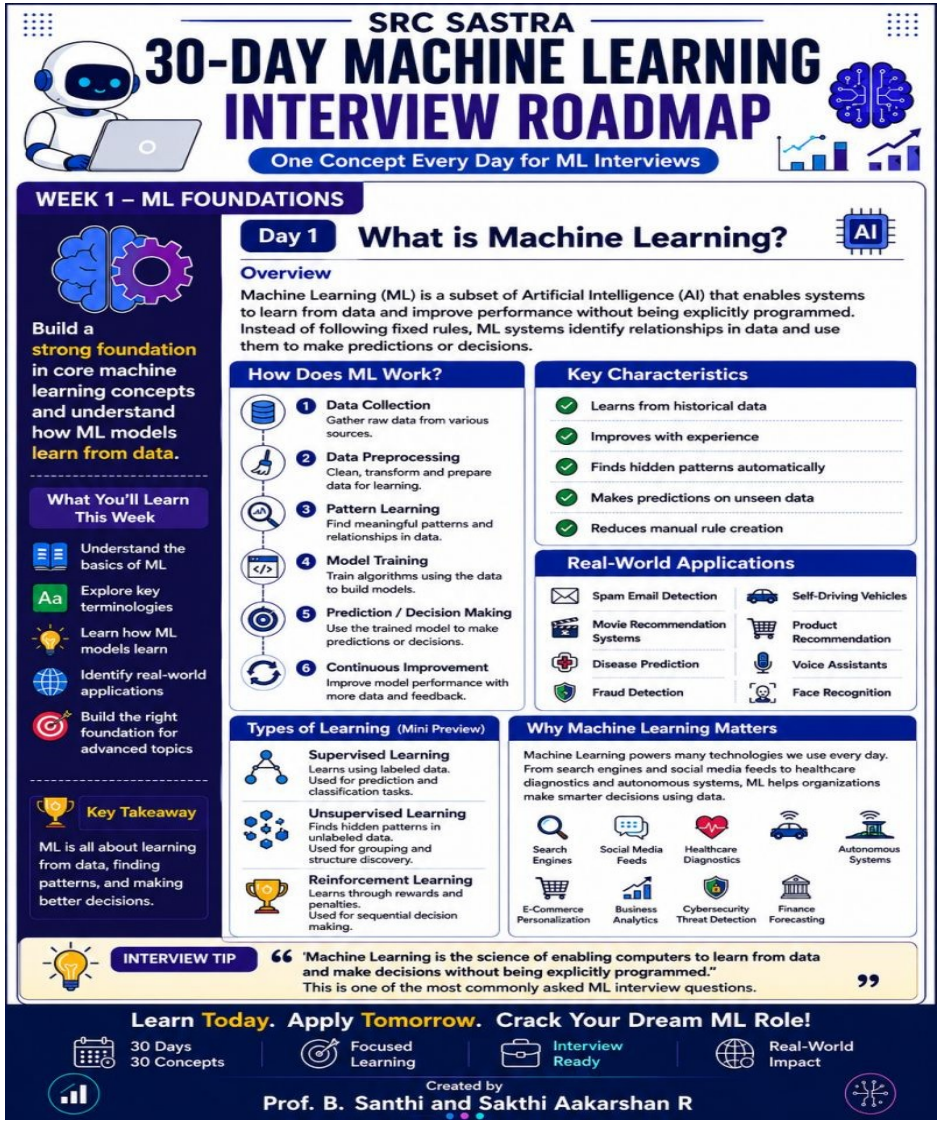
OBJECTIVES



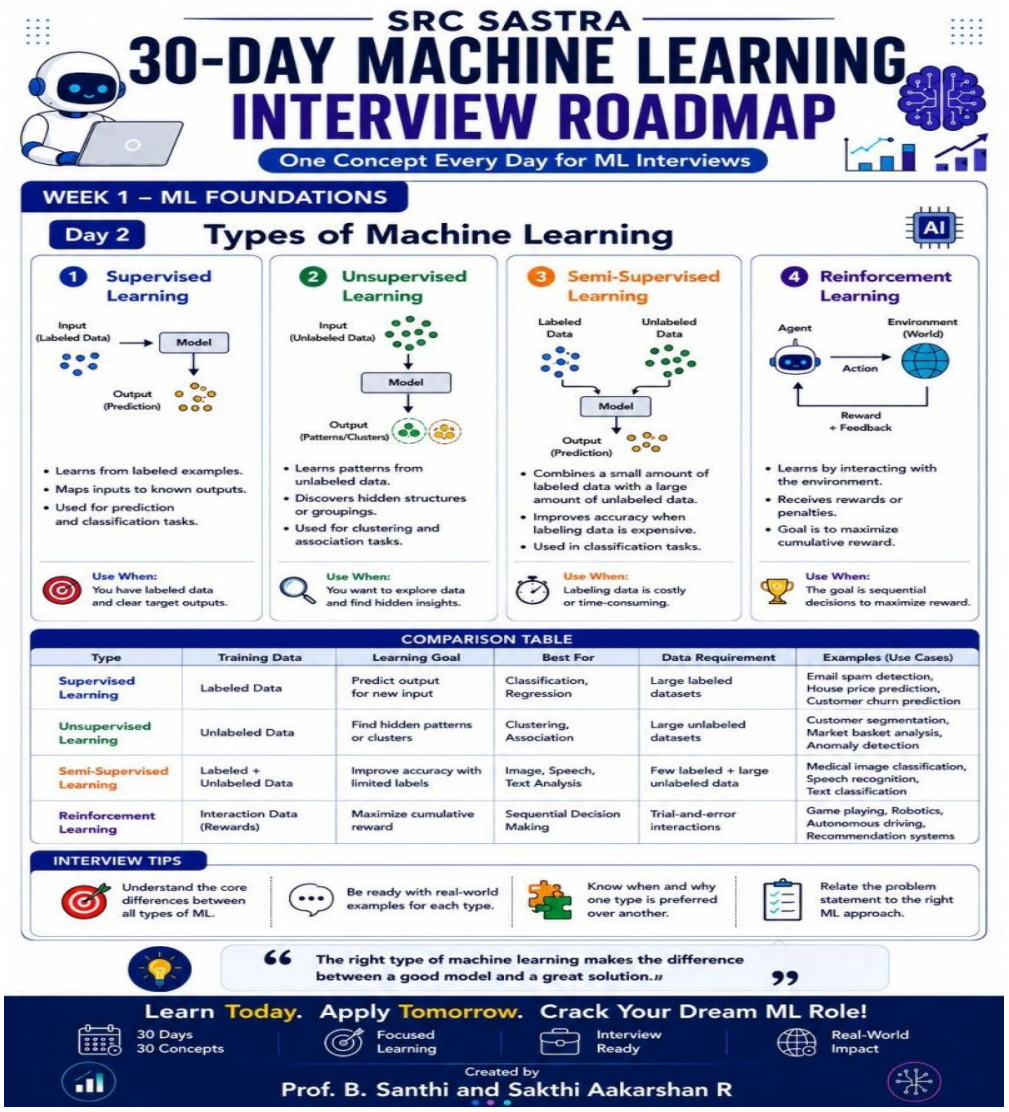
LEARN TO LEARN – MAGIC (LLM @ SRC)


Learning Doesn't Take a Vacation!
51-Day AI & Machine Learning Skills Campaign
SRC | SASTRA University
51 DAYS
51
LEARN GROW LEAD
01 Why this initiative?
At SRC, we believe a vacation should never become a vacation from learning. Every break is an opportunity to nurture curiosity, build new skills, and prepare students for the future.
02 What we launched
A 51-Day AI & Machine Learning Skills Campaign delivering one crisp, informative infographic every day.
AI
03 How it helps
DAILY INFOGRAPHIC
Keeps students connected with emerging AI concepts
Promotes micro-learning without formal classroom pressure
Builds curiosity, consistency, and future-ready skills
Supports AI-ready & Industry-ready learning
04 Core message
"Education is not defined by the academic calendar – it's defined by the willingness to learn, every single day."
One infographic. One new concept.
One step closer to becoming
AI-ready & Industry-ready.
#ArtificialIntelligence | #MachineLearning | #MicroLearning | #FutureSkills | #DigitalLearning
#StudentSuccess | #LifelongLearning | #SRC | #SASTRAUniversity

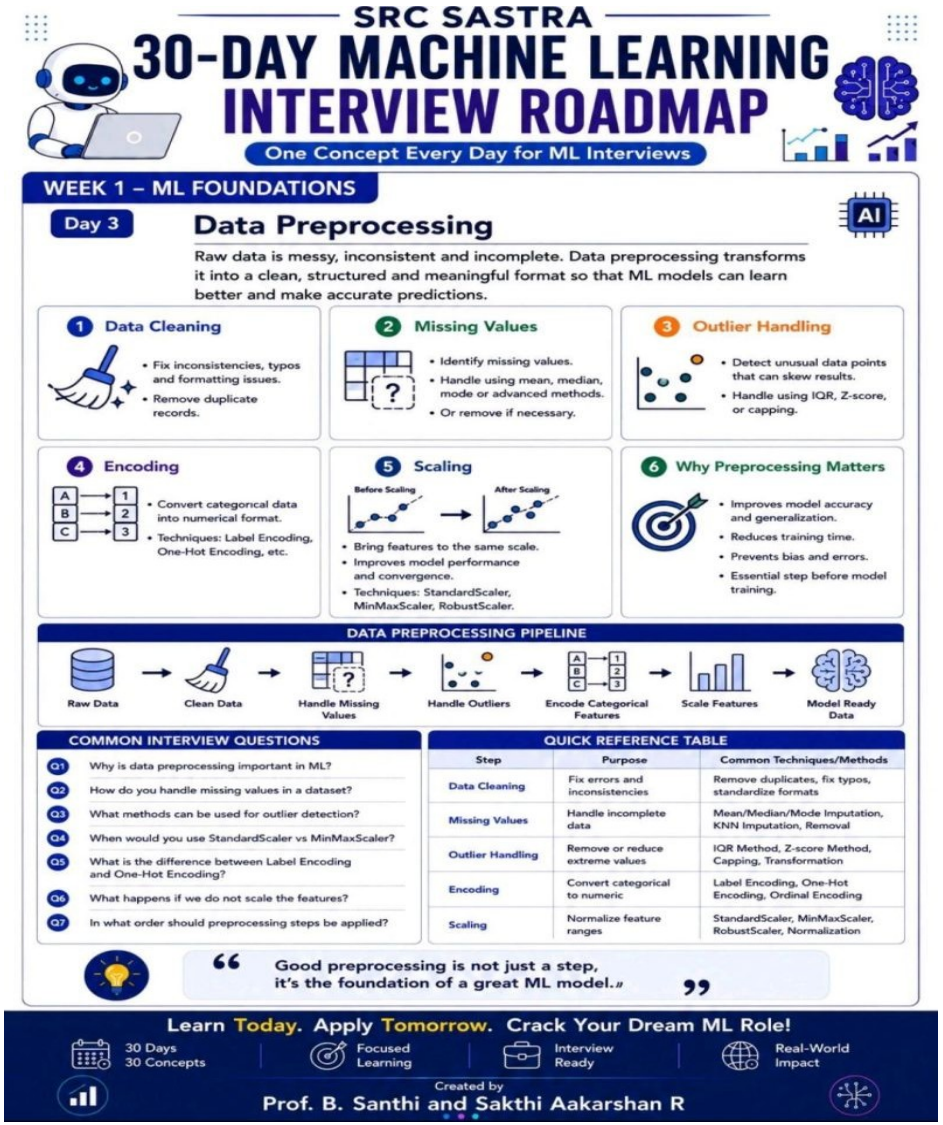
Day 1 - What is Machine Learning?



Day 2 - Types of Machine Learning



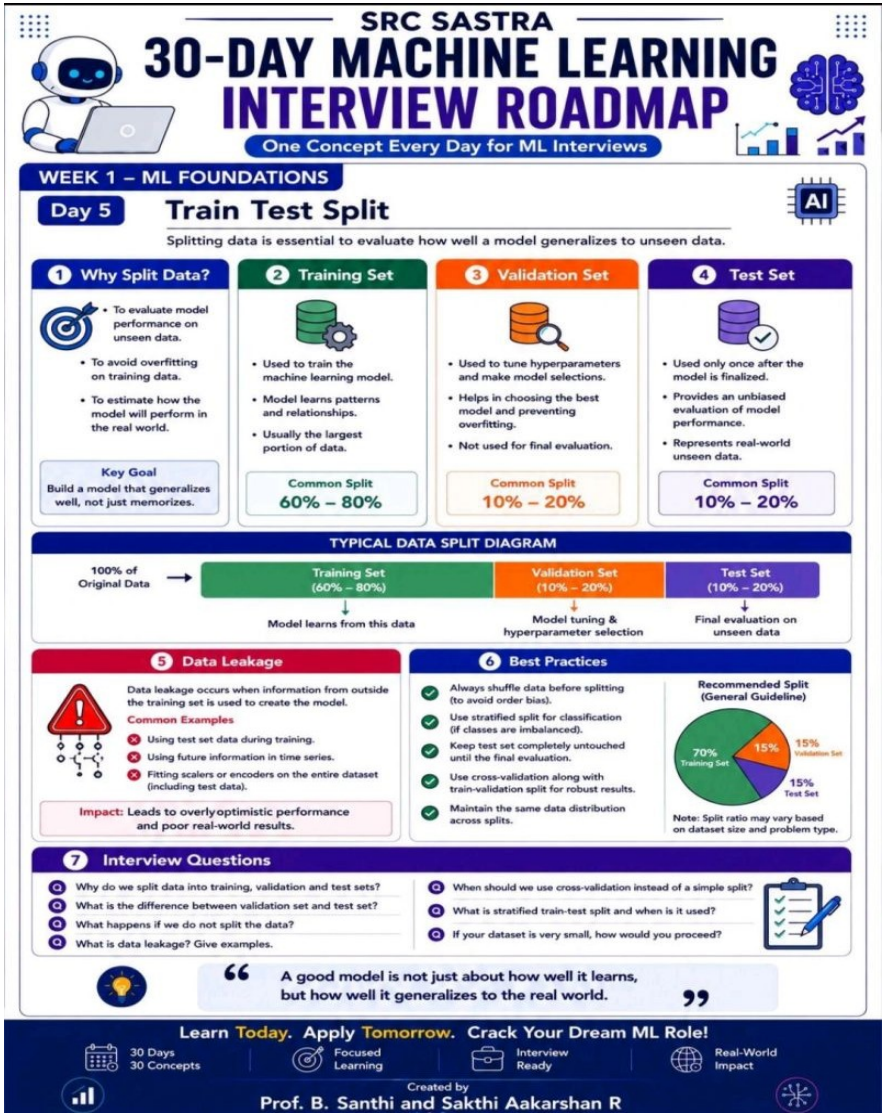
Day 3 - Data preprocessing



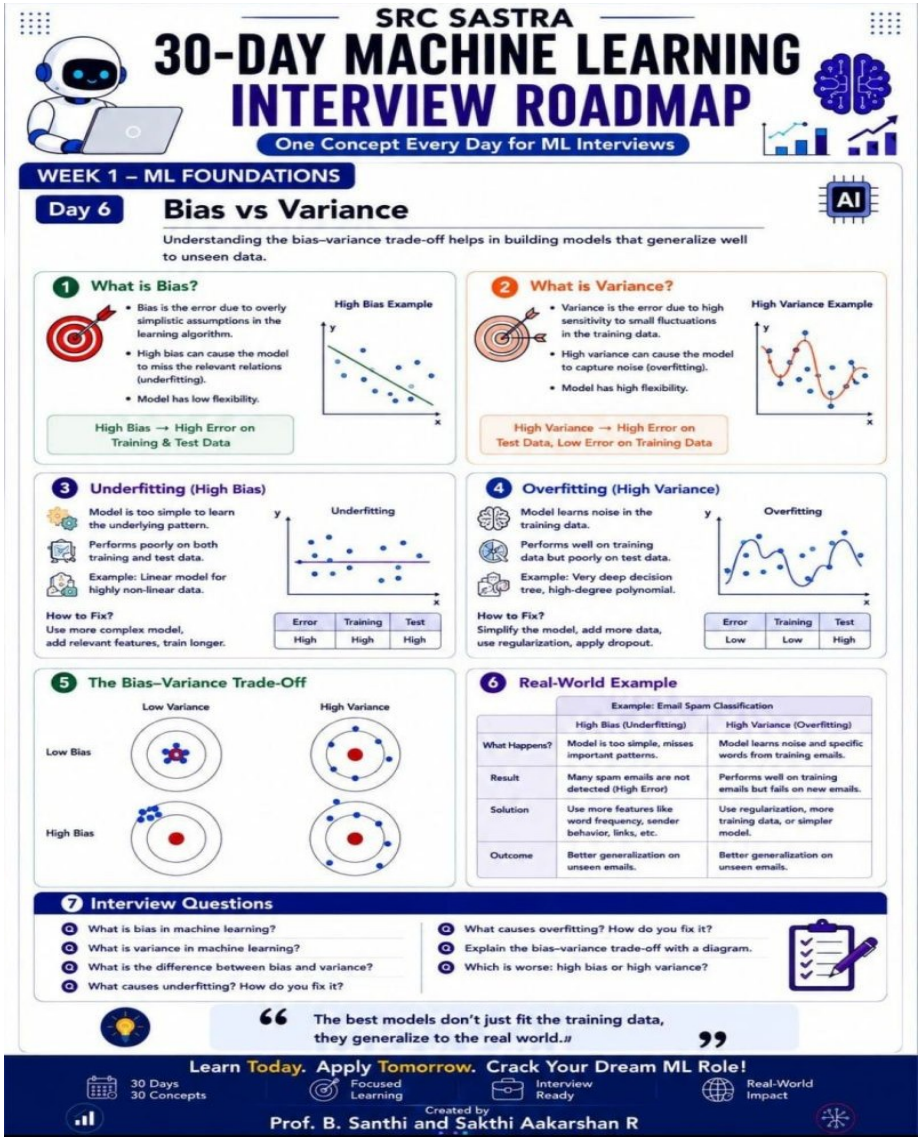
Day 4 - Feature Engineering



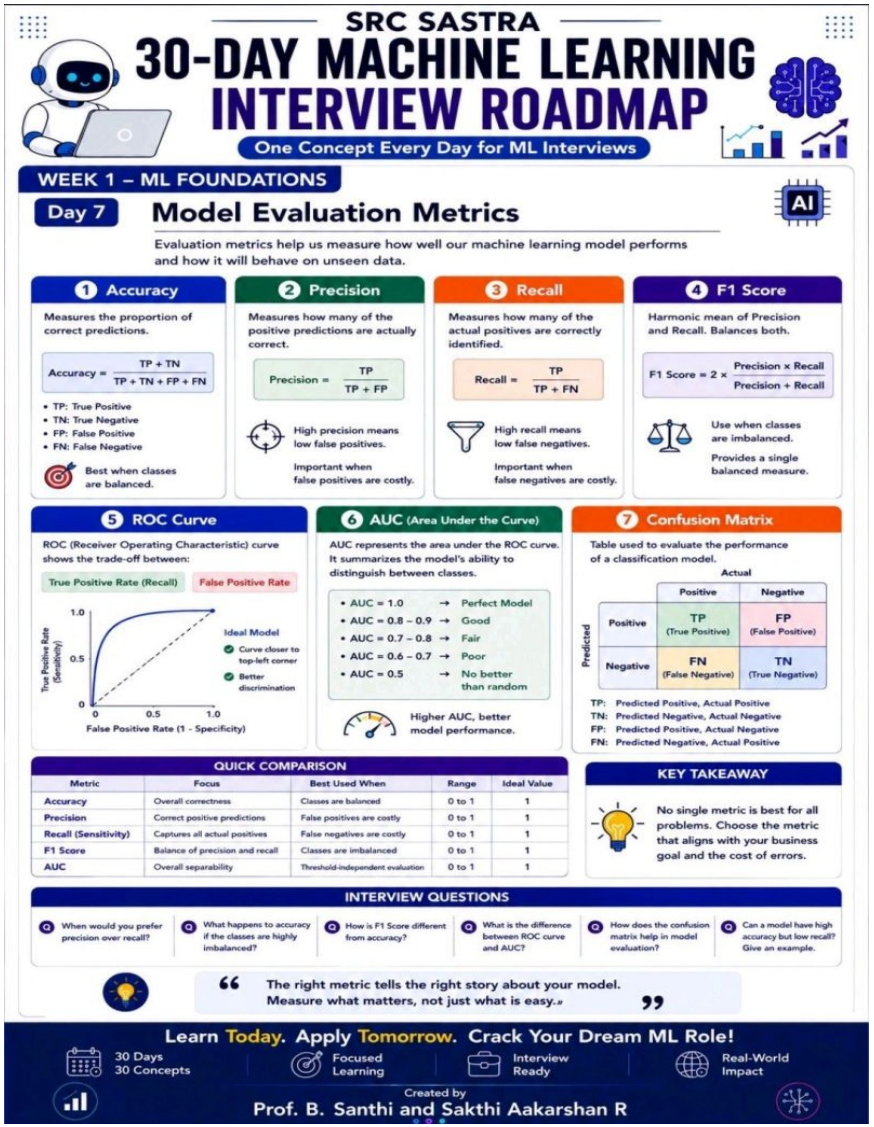
Day 5 - Train Test Split



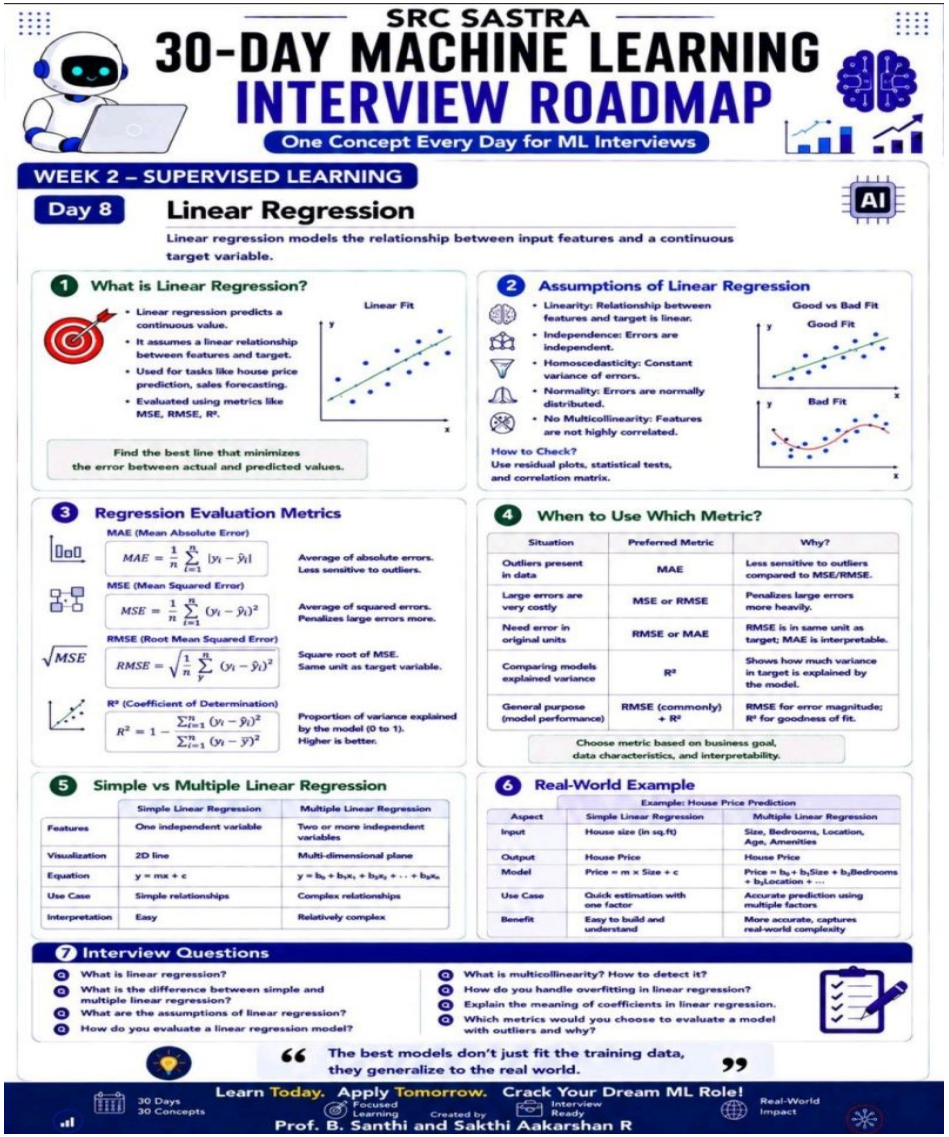
Day 6 - Bias vs Variance



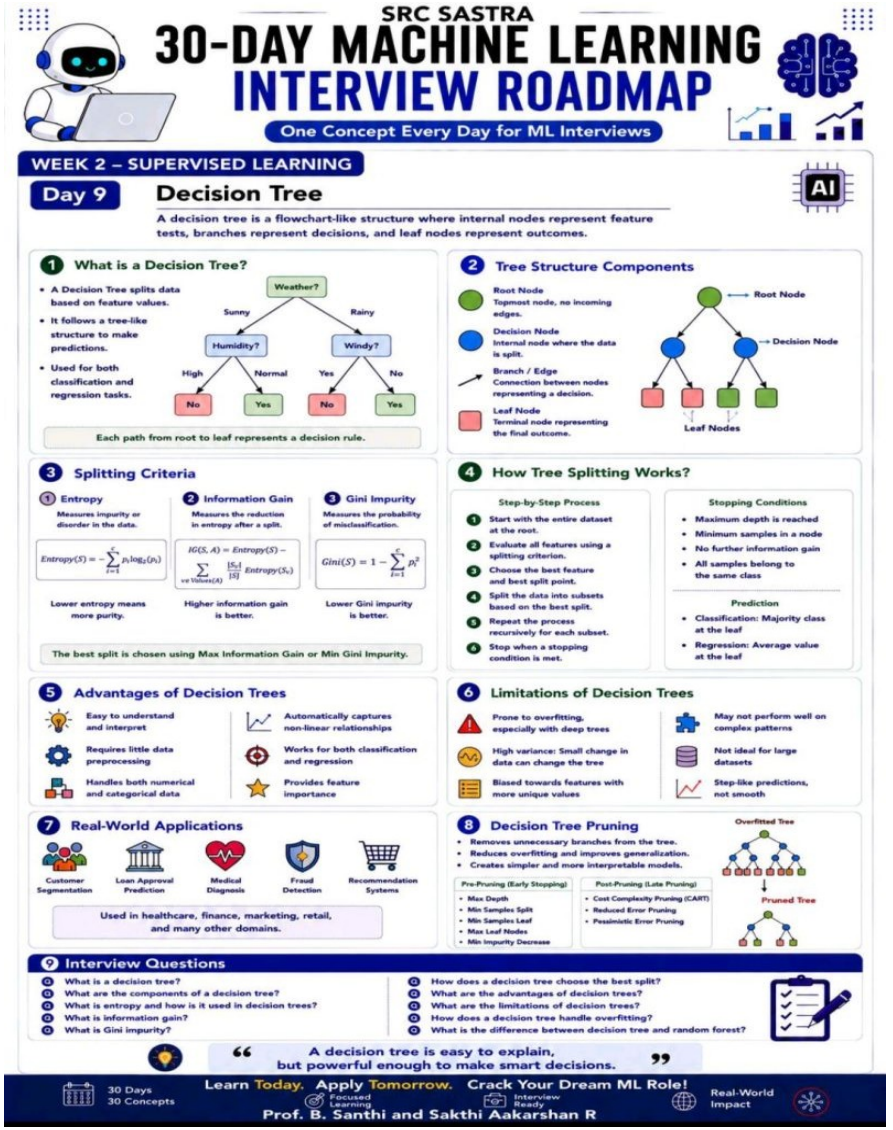
Day 7 - Model Evaluation Metrics



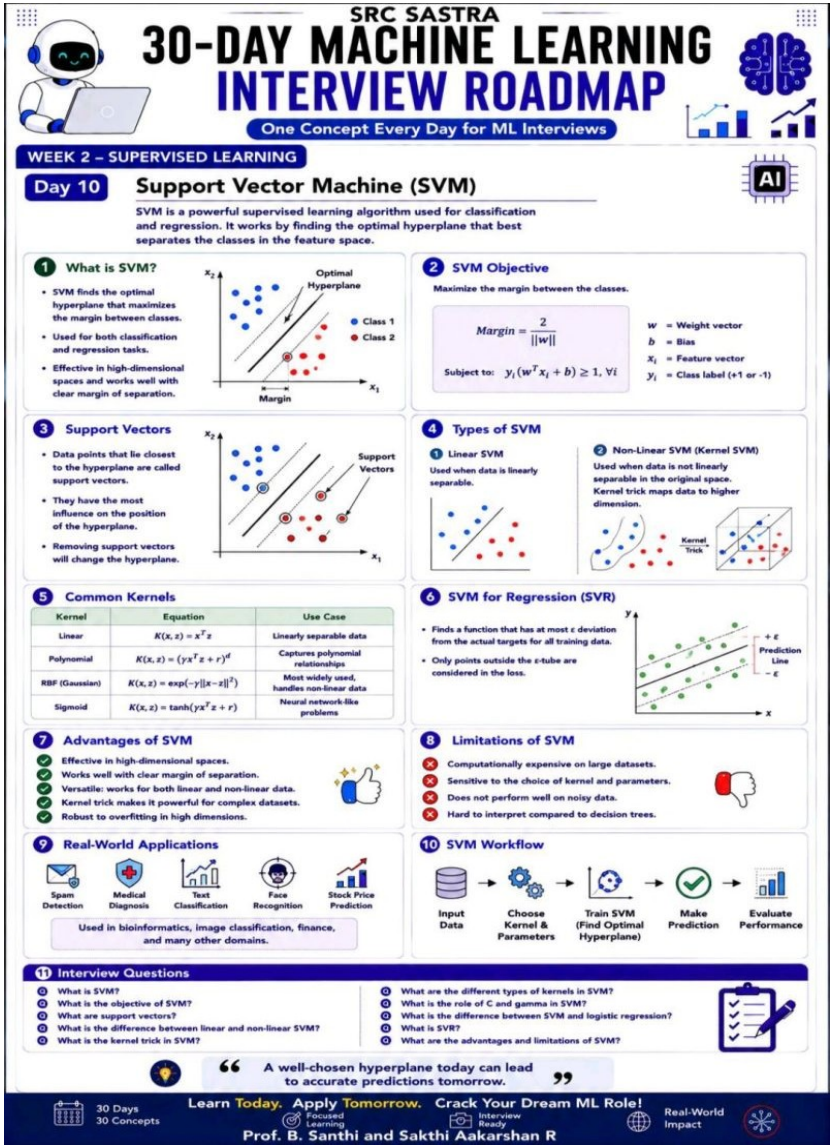
Day 8 - Linear Regression



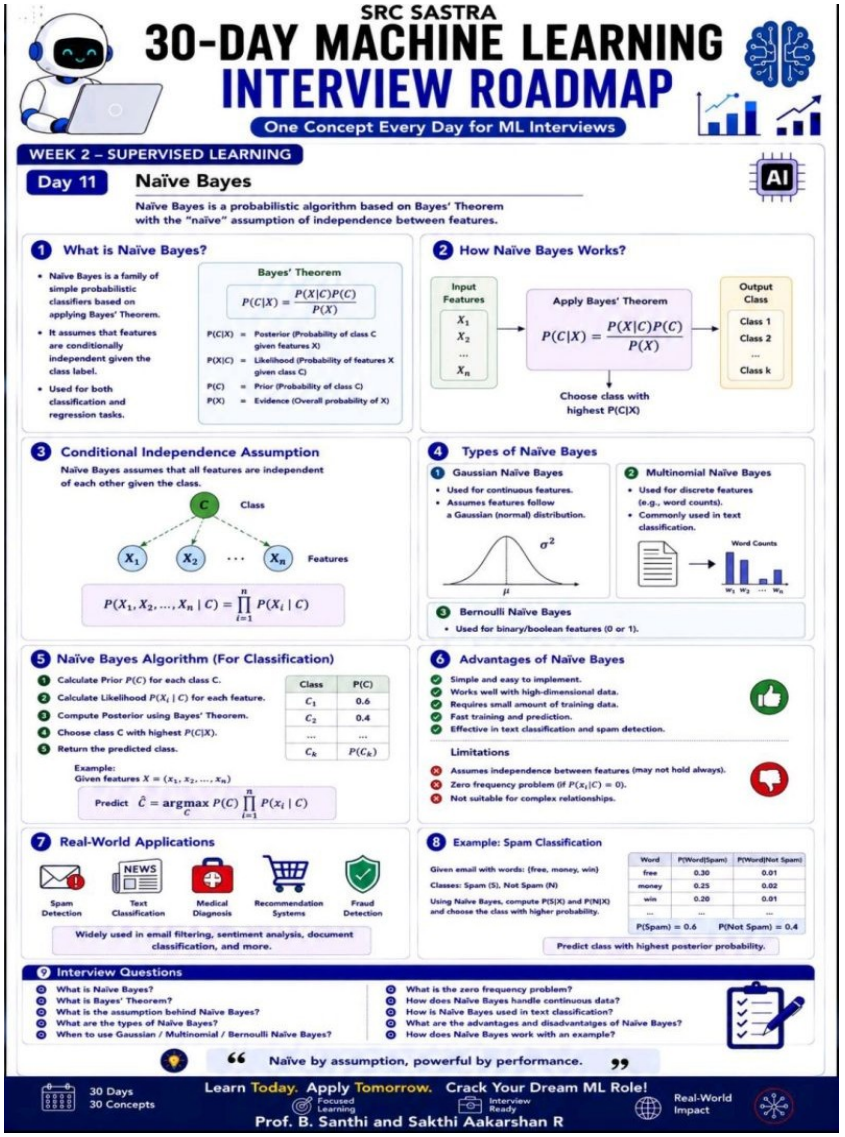
Day 9 - Decision Tree



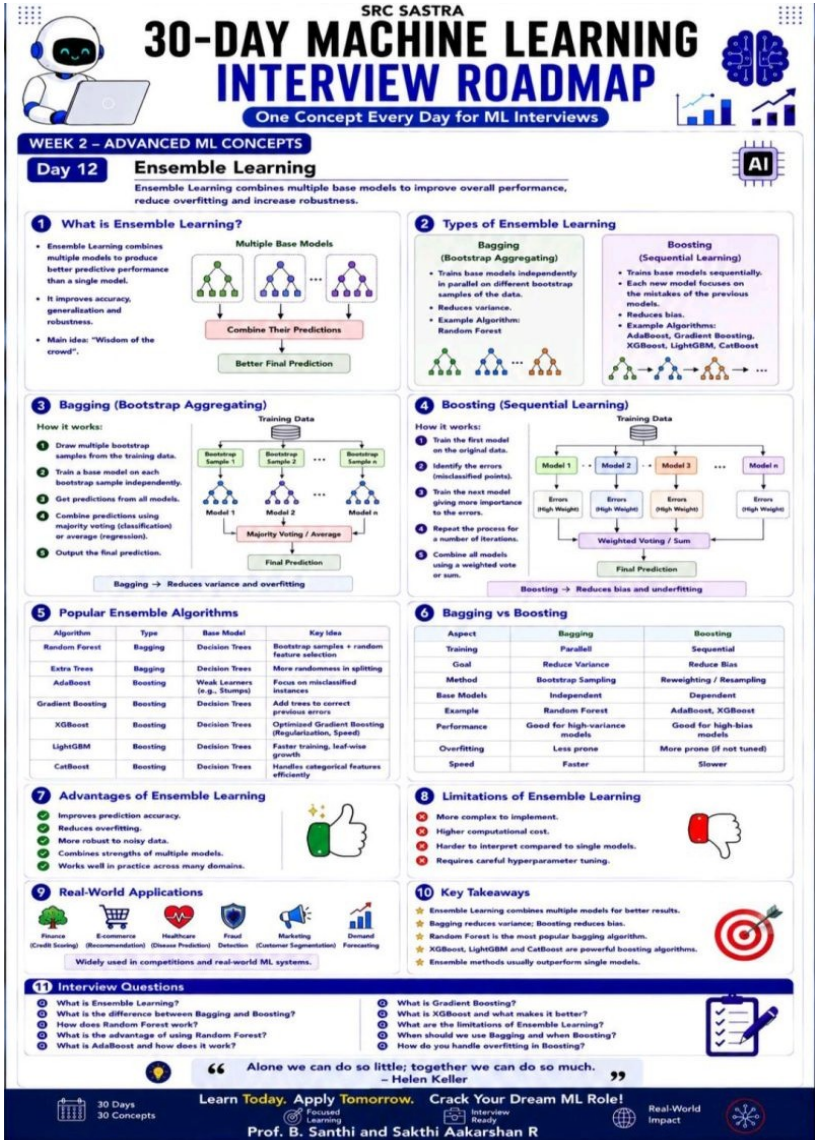
Day 10 - Support Vector Machine(SVM)



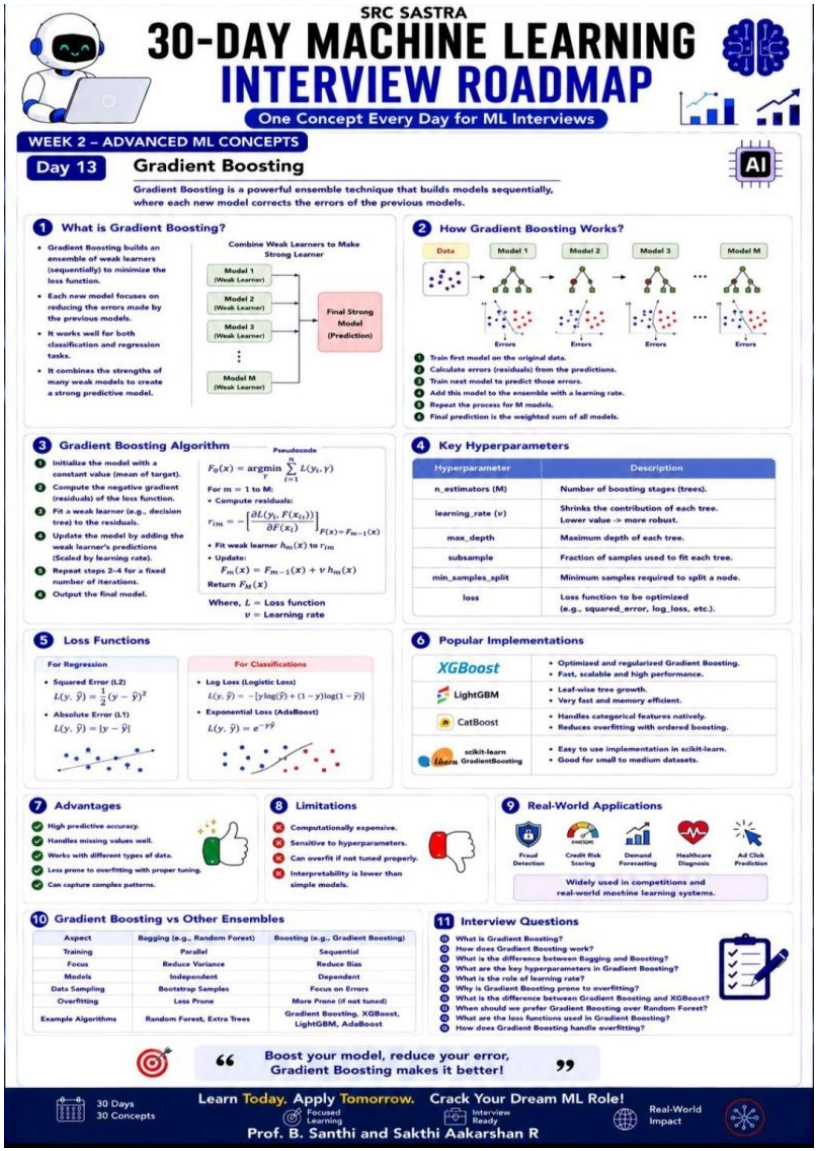
Day 11 - Naïve Bayes



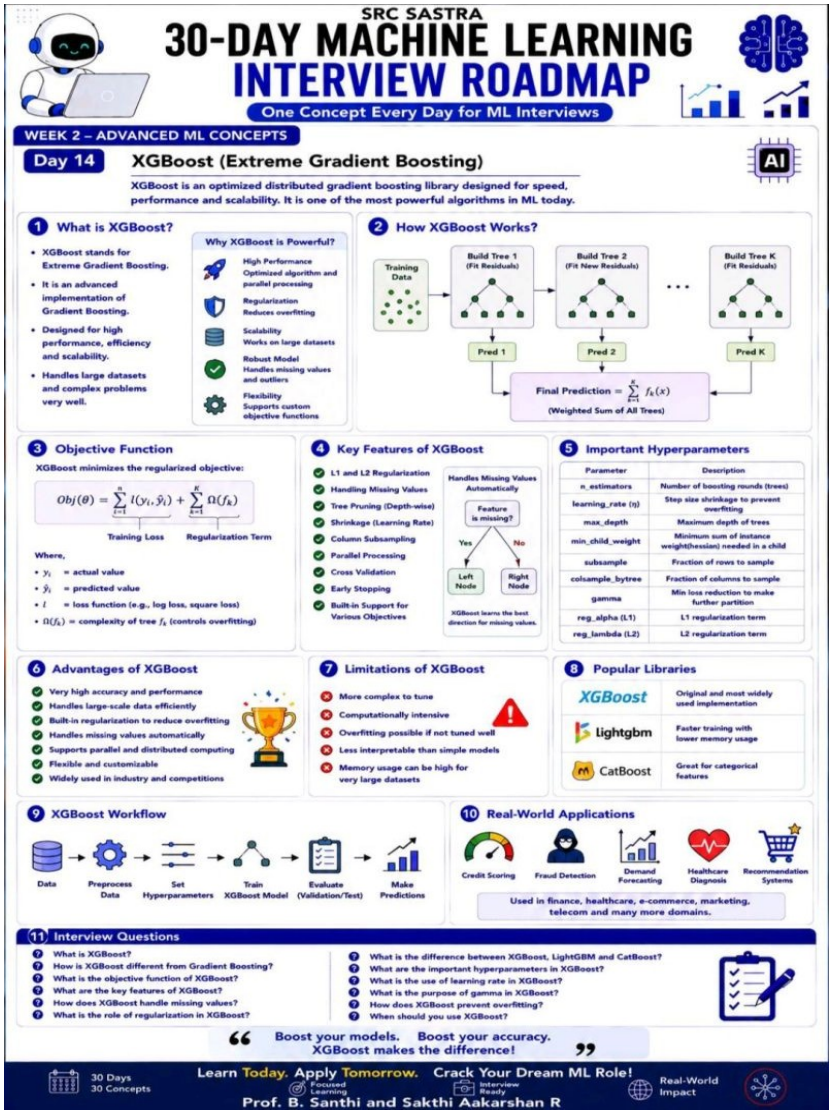
Day 12 - Ensemble Learning



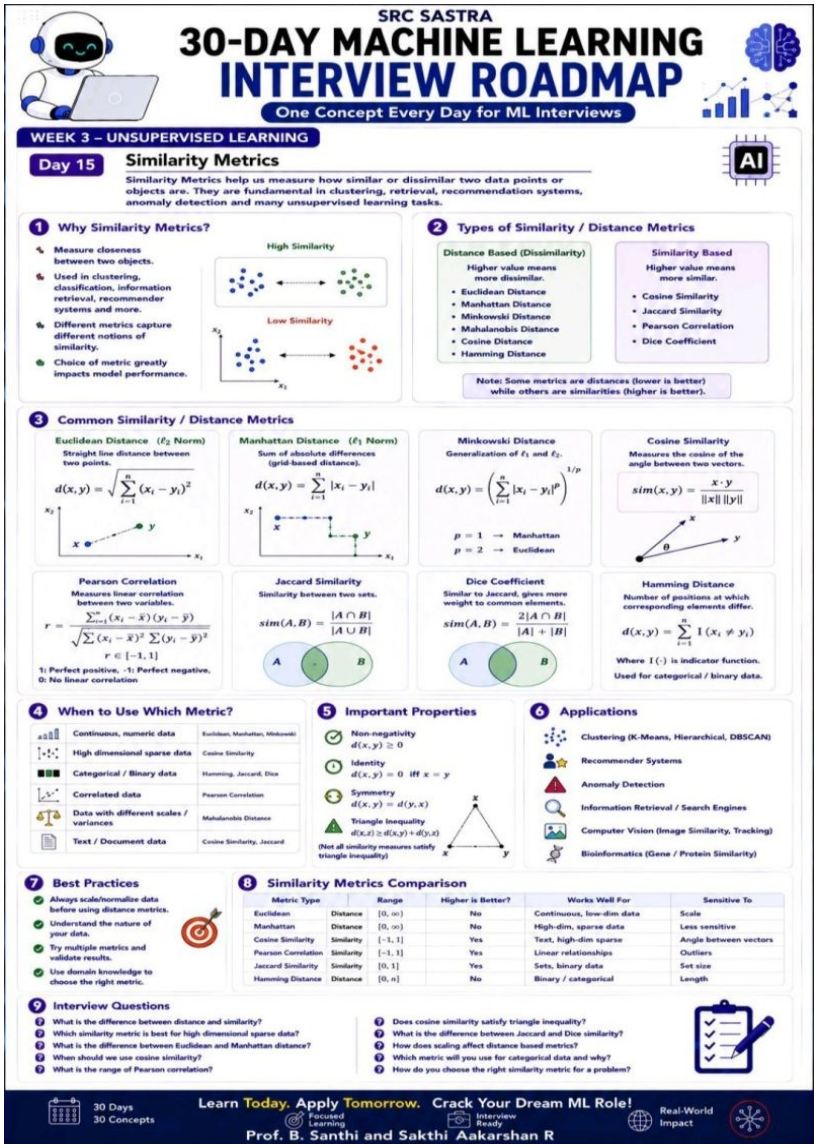
Day 13 - Gradient Boosting



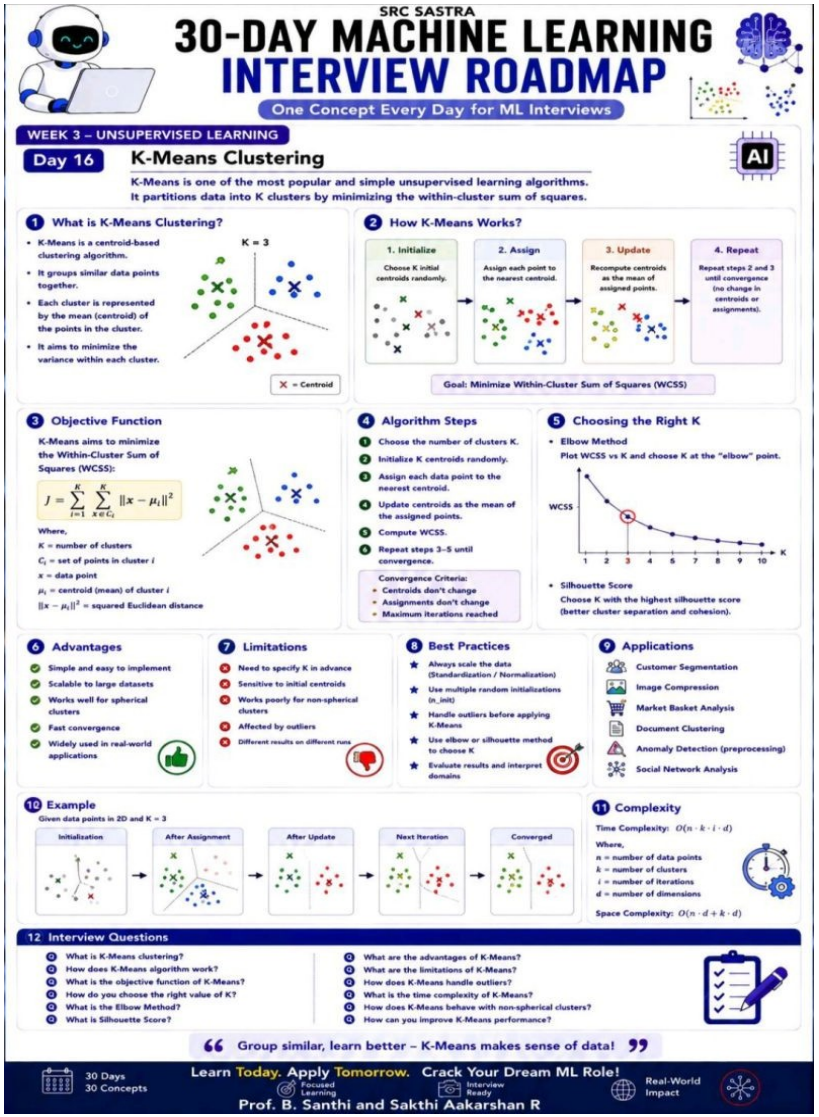
Day 14 - XGBoost



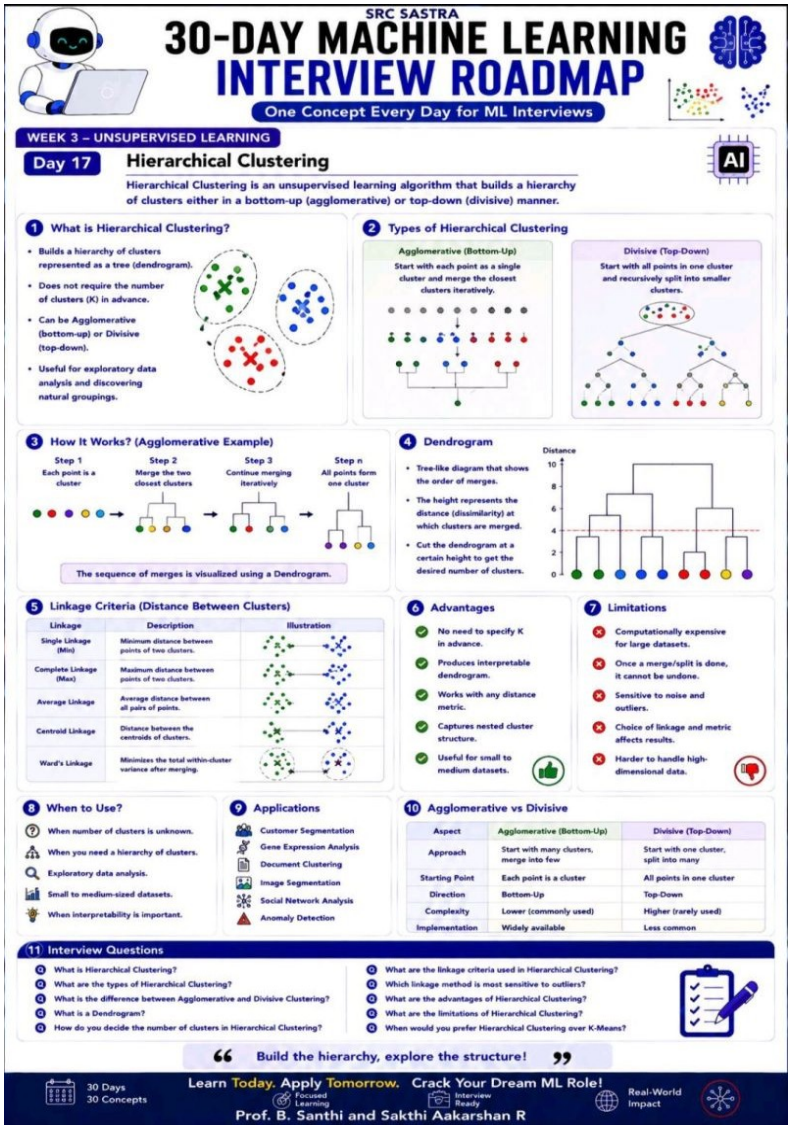
Day 15 - Similarity Metrics



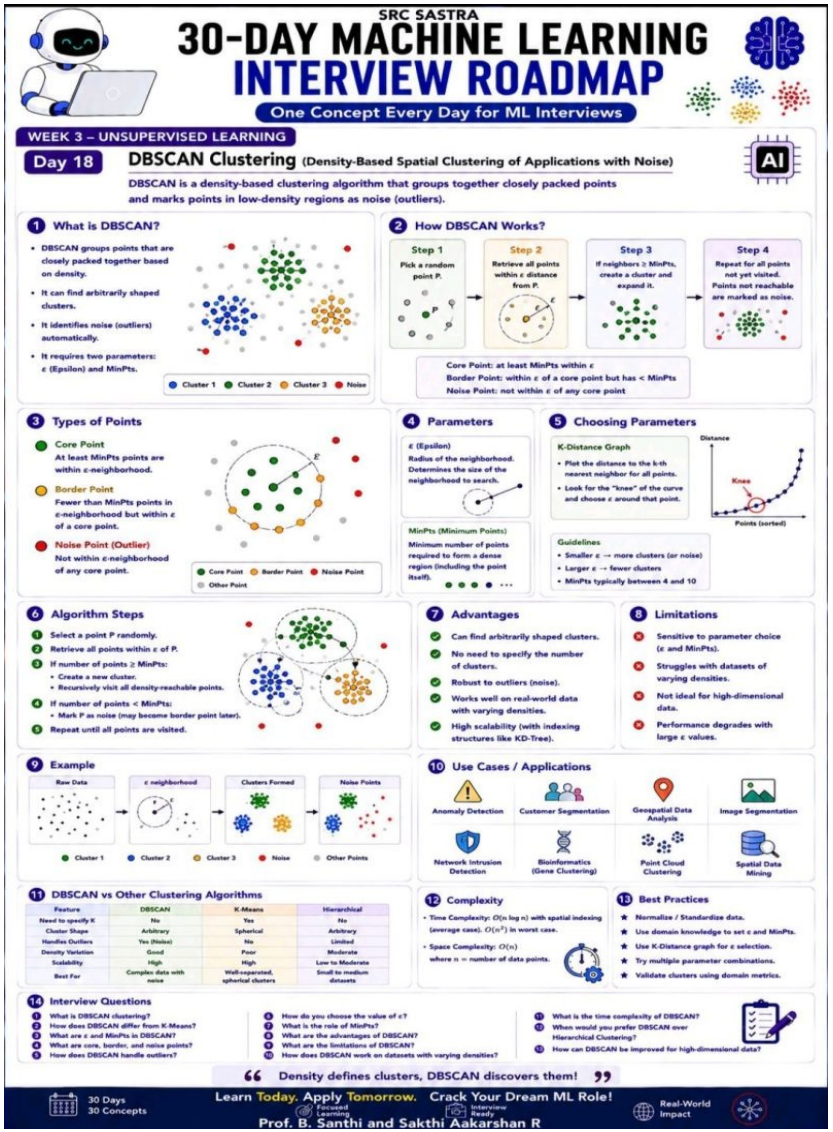
Day 16 - K-Means Clustering



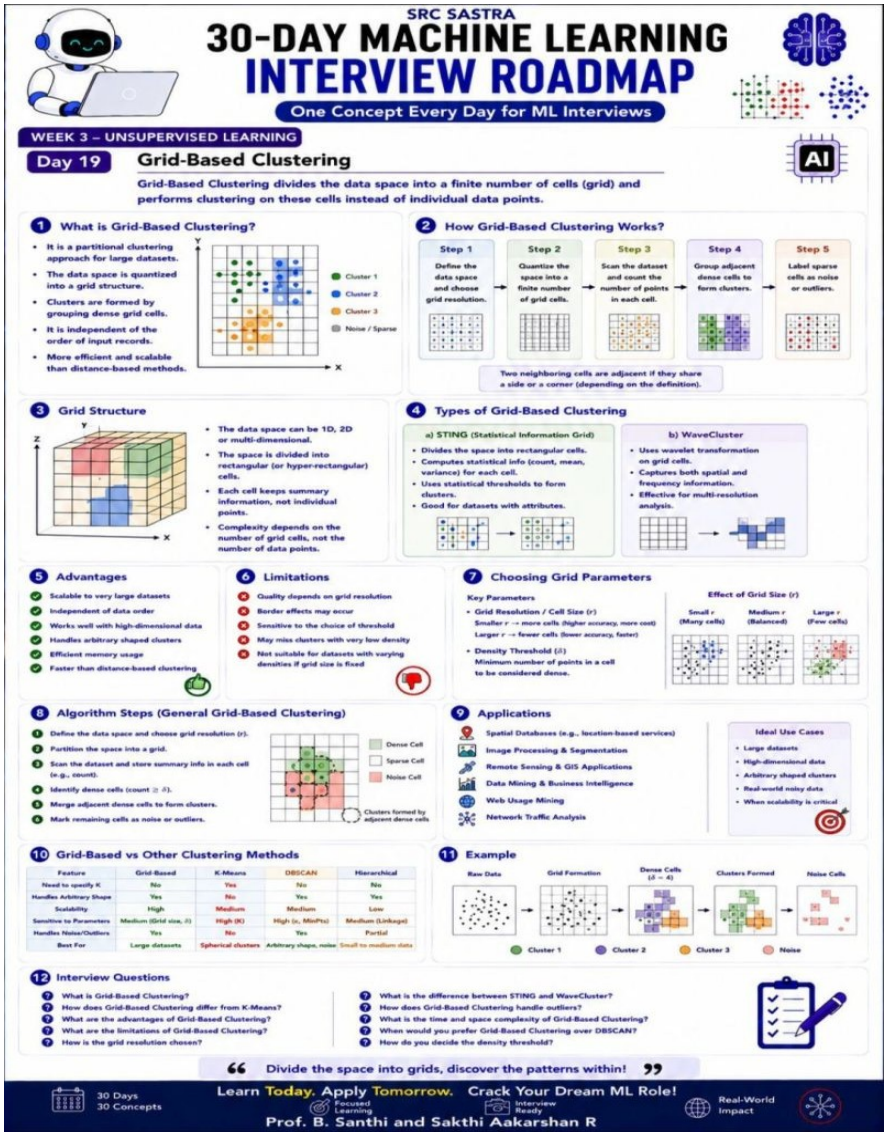
Day 17 - Hierarchical Clustering



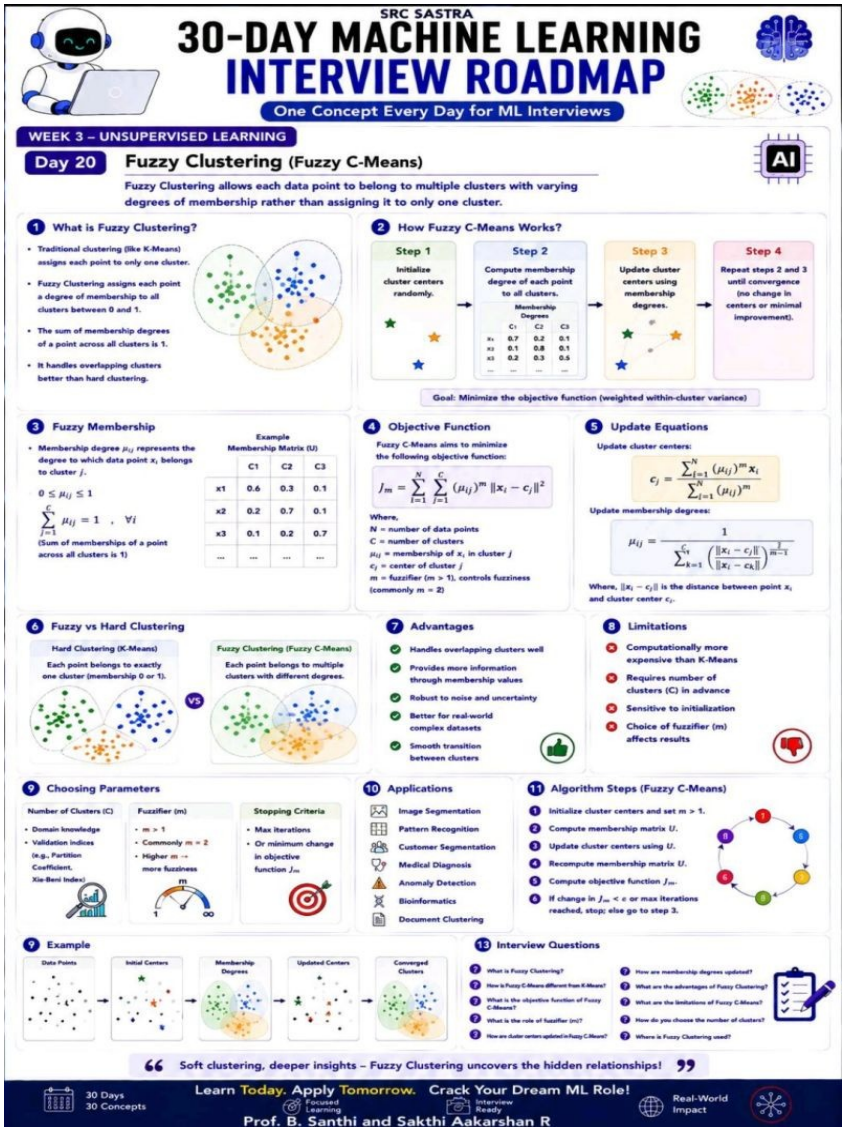
Day 18 - DBSCAN Clustering



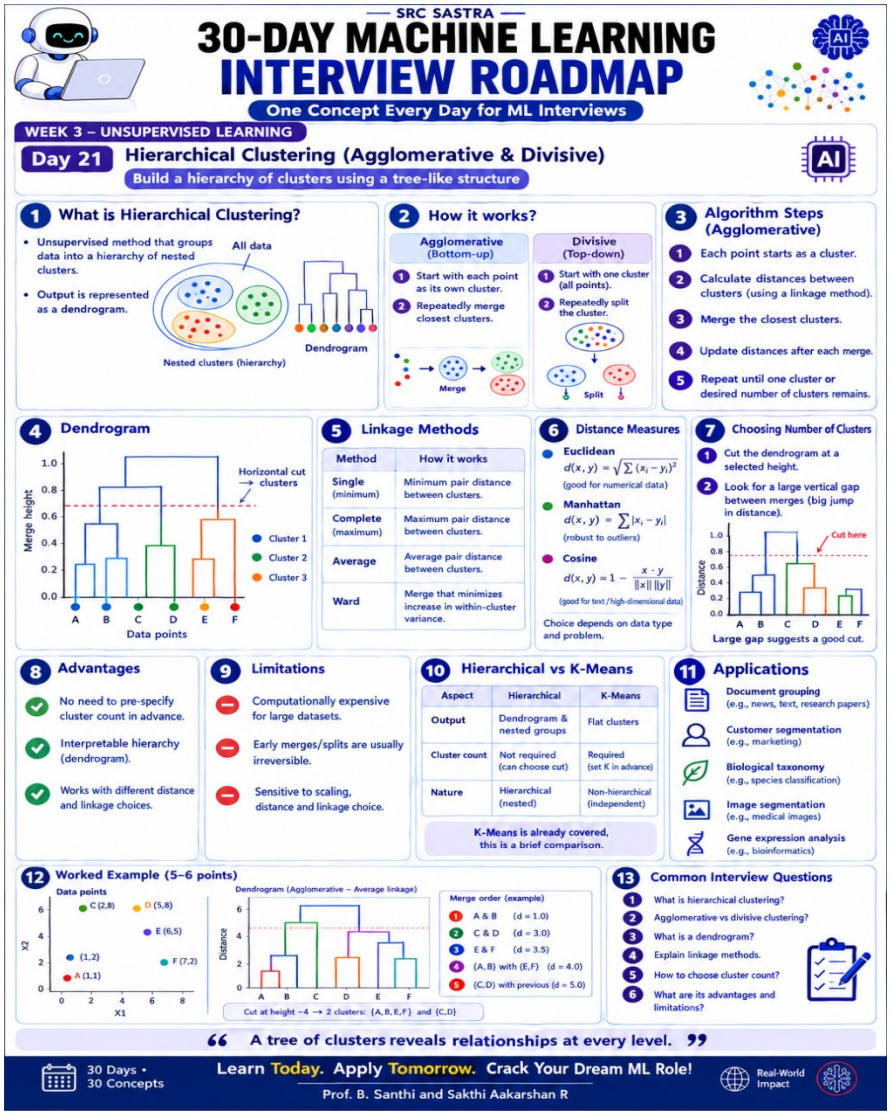
Day 19 - Grid Based Clustering



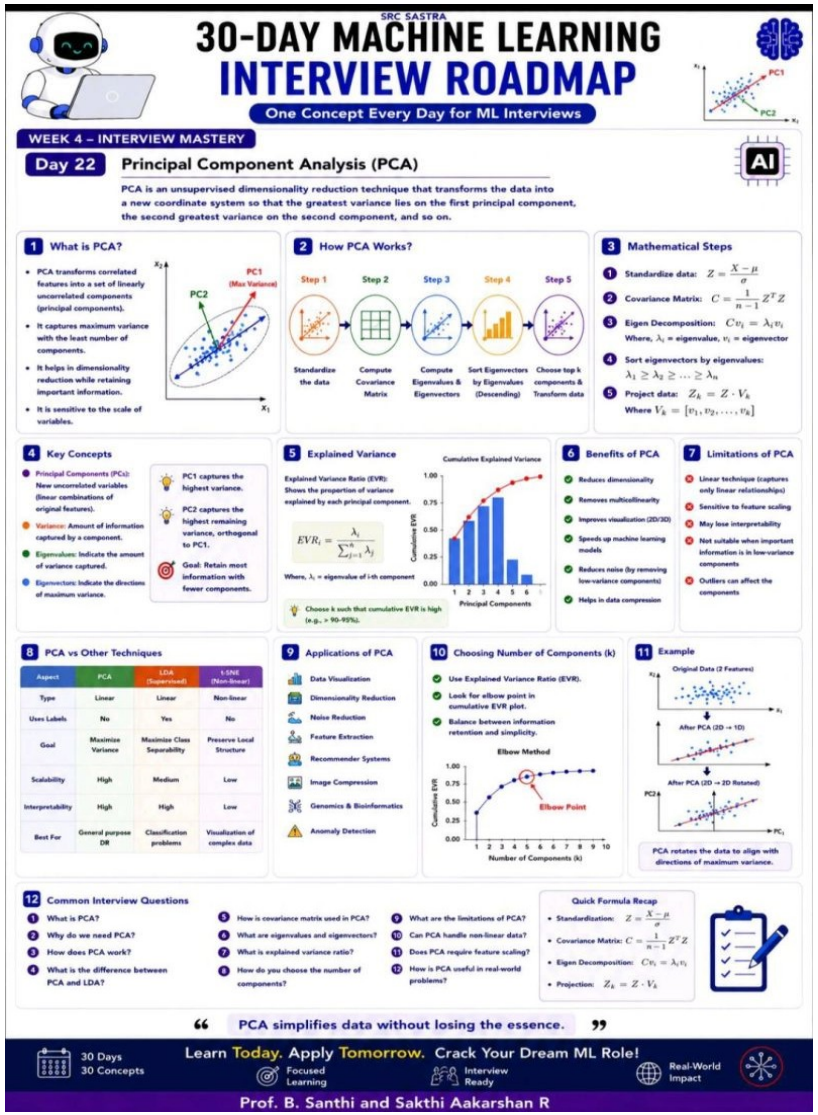
Day 20 - Fuzzy C-Means Clustering



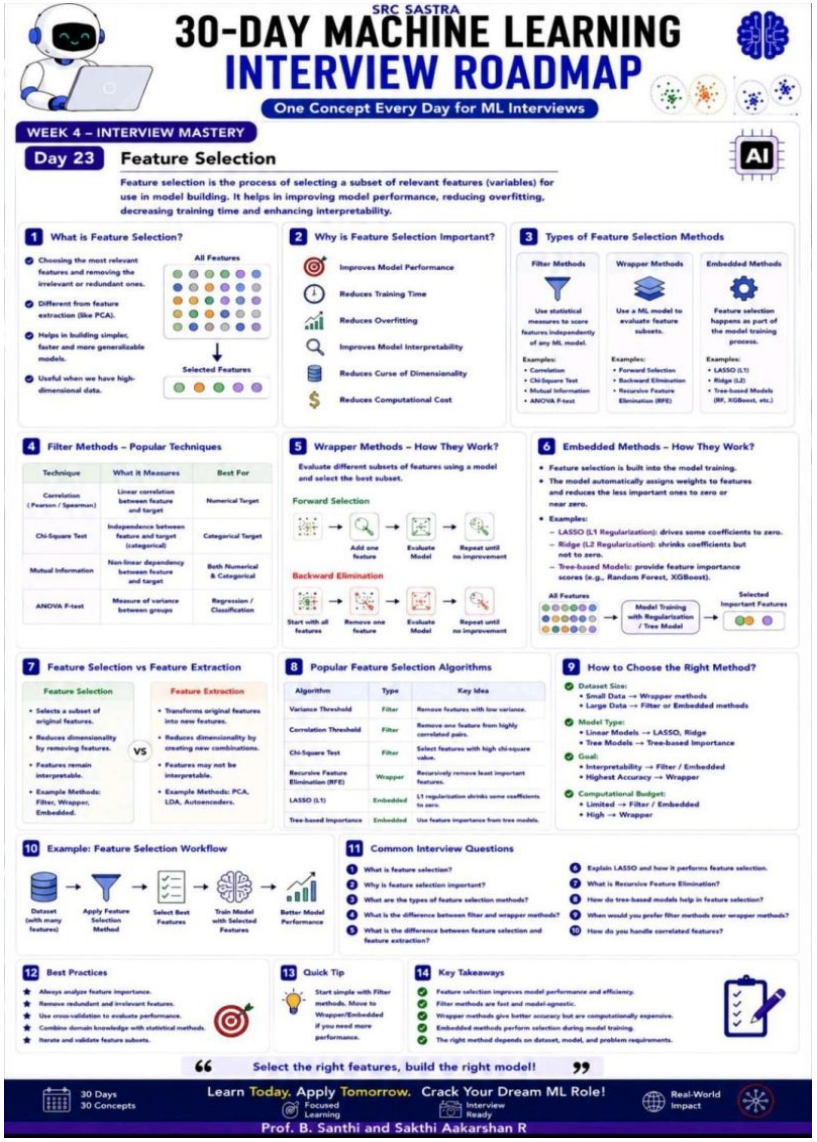
Day 21 – Hierarchical Clustering (Agglomerative & Divisive)



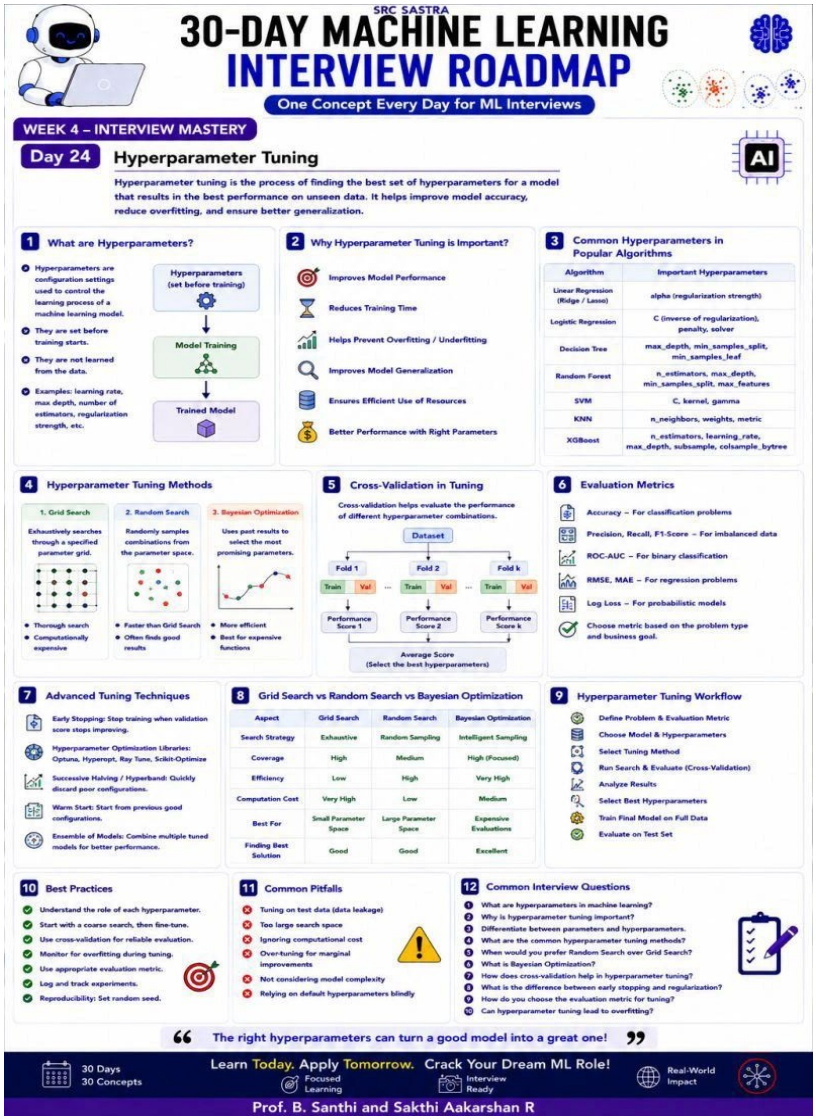
Day 22 - Principal Component Analysis



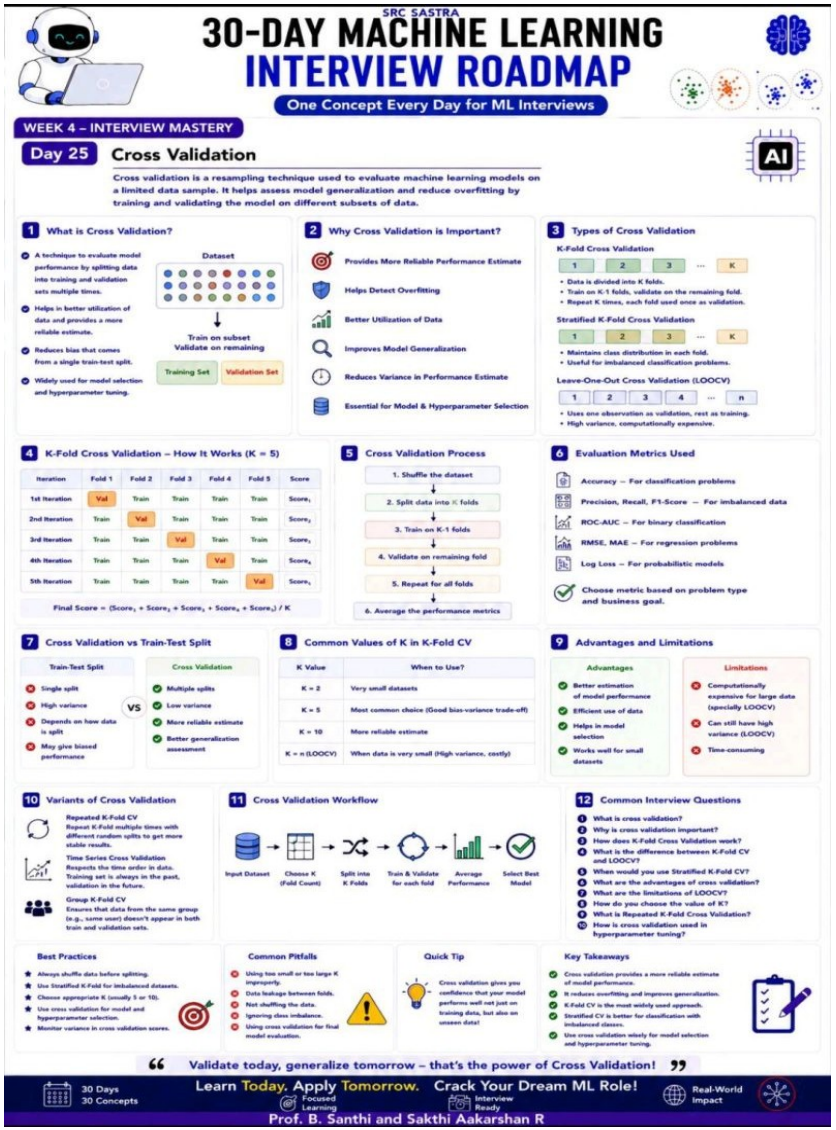
Day 23 - Feature Selection



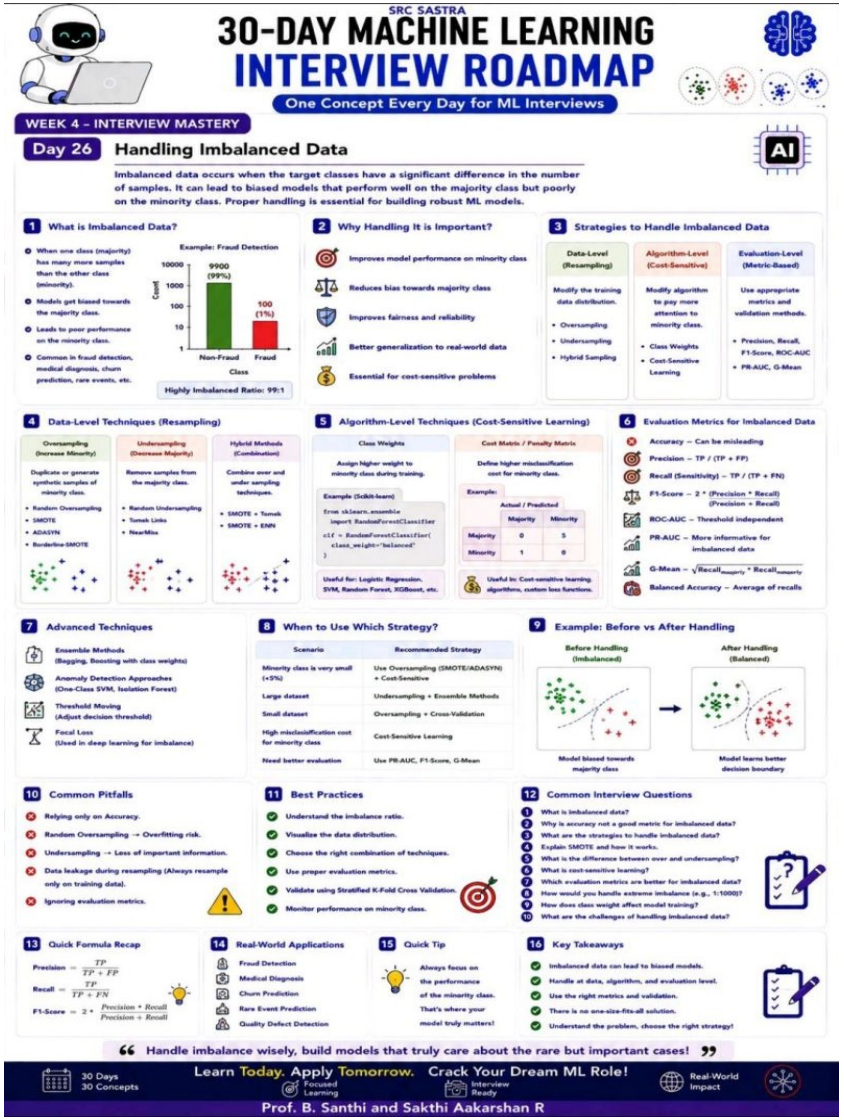
Day 24 - Hyperparameter Tuning



Day 25 - Cross Validation



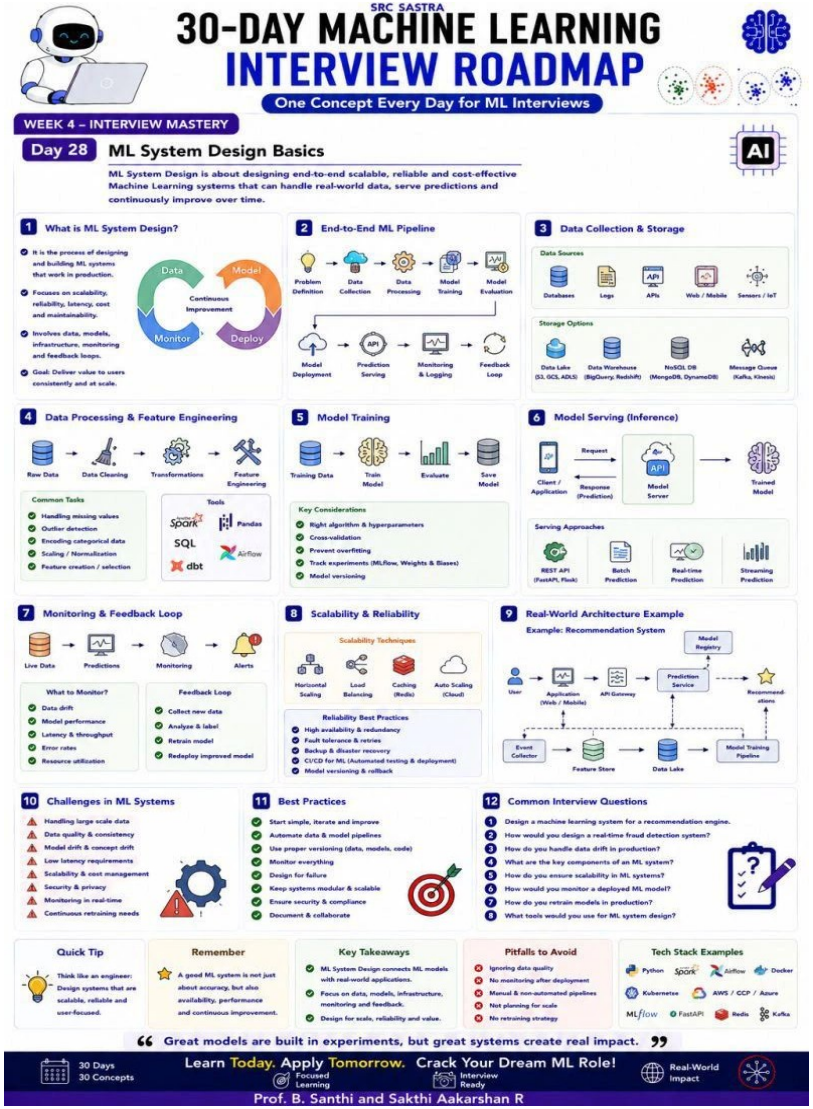
Day 26 - Handling Imbalanced Data



Day 27 - Model Deployment Basics



Day 28 - ML System Design Basics



Day 29 - Common Interview Questions



Day 30 - End to End ML Workflow




Thank you