







MODULE 1: INTRODUCTION OF MLGP5

#### AGENDA

- AUTOMATED ML PIPELINES ML SYSTEMS
- CONTAINERIZATION AND ORCHESTRATION (E.G., DOCKER, KUBERNETES)
- CONTINUOUS INTEGRATION/CONTINUOUS DEPLOYMENT (CI/CD) FOR ML
- MODEL VERSIONING AND EXPERIMENT TRACKING
- SCALABLE DATA PROCESSING AND FEATURE ENGINEERING
- MONITORING ML SYSTEMS IN PRODUCTION
- A/B TESTING AND GRADUAL ROLLOUT STRATEGIES
- BEST PRACTICES FOR ML SYSTEM ARCHITECTURE





# MILUPS IS RETUF BEST



## PRRETIES FOR

"PUTTING MACHINE LEARNING" IN

PRODUCTION AND ENHANCE COLLABORATION



## RUTONATING EVERYTHING IN THE

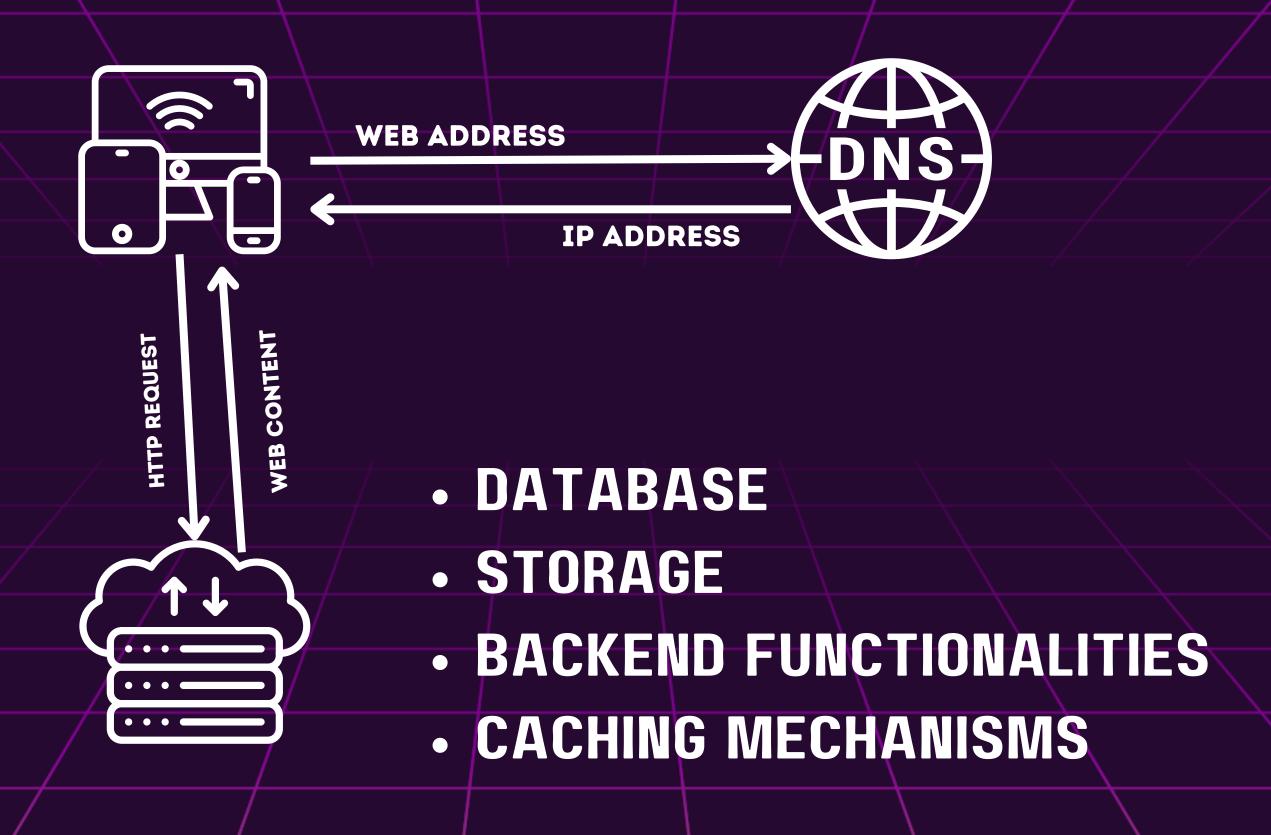




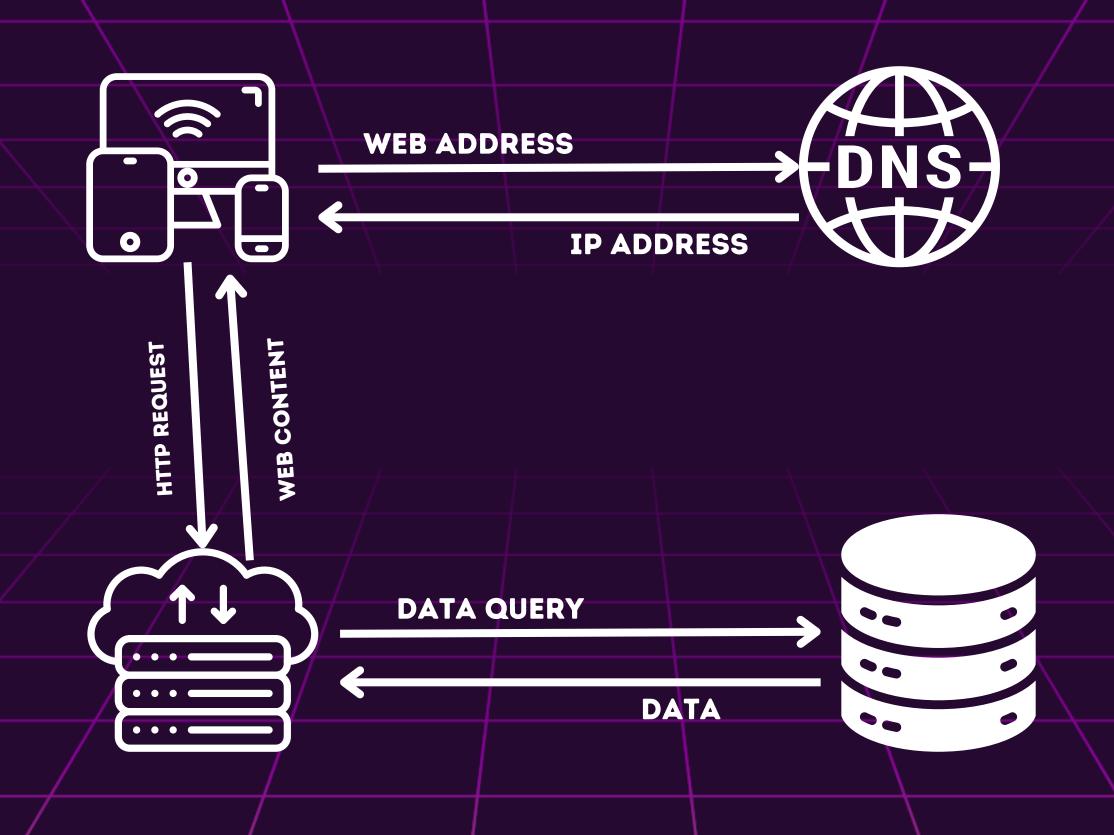




#### DESIGNING A SIMPLE SYSYEM



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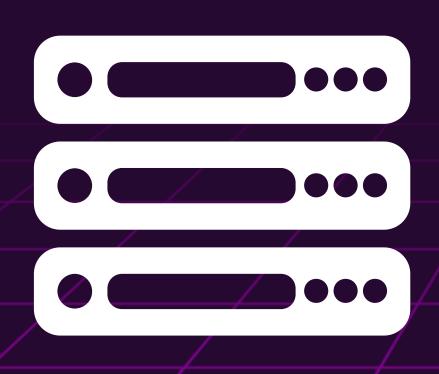






#### SCALING

### 1. WERTICHL SCALING



VERTICAL SCALING IS A PROCESS TO

ADD MORE RAMS AND CPUS TO THE

**SERVER** 

#### SCALING

## Z. HORIZONTAL SCALING

#### HORIZONTAL SCALING IS ADDING MORE AND MORE

SERVERS TO THE SYSTEM

