# DEPLOYING STATIC WEBSITE

# Machine Learning Pipeline

1. Data Collection  
2. Training Data → Learn patterns (Example: High study = High score)  
3. Testing → Comparing predicted vs current data  
4. Predicting → Prediction

# Artificial Intelligence (AI)

Artificial Intelligence is the simulation of human intelligence in machines.  
AI → Machine Learning (ML)  
Deep Learning → NLP / CV → LLM  
Artificial Intelligence → Augmented Intelligence  
Traditional AI vs Generative AI

# Types of Data

Data is the raw information that includes images, videos, files, etc.  
  
Three types of data:  
1. Structured  
2. Unstructured  
3. Semi-Structured → It is the bridge between structured and unstructured data.

# Procedure for making Storage Account

# Data Storage and Management

To store data & manage data:  
→ GUI (Graphical User Interface)  
→ CLI (Command Line Interface)  
→ Deploying or Hosting a Website  
  
Home → Storage Account → Create → Basic (Subscription Options):  
1. Subscription (Confirming a subscription to Microsoft)  
2. Resource Group (Catalog arrangement – groups all resources together for centralized management)  
3. Instance Details (Storage Account Name → Unique, Region → Central India, Performance → Standard)  
  
Redundancy Options:  
→ LRS (Local Redundant Storage) – stores data in one region  
→ GRS (Geo Redundant Storage) – copies data across regions  
→ ZRS (Zone Redundant Storage)  
→ GZRS (Geo Zone Redundant Storage)  
  
SLA Agreement – Keeps the data available  
  
Data Protection: Disable all → Only BASIC and Data Tab → Next → Create Account  
After deployment completes → Next steps:  
→ Data Management → Static Website → Enabled  
→ Index Document Name: index.html  
→ Error Document Path: 404.html → Save  
  
Data Storage Types:  
→ Containers (Unstructured/Semi-Structured)  
→ File Share (Drive)  
→ Queues (Mail)  
→ Tables (Structured Data)  
  
Steps:  
1. Click on Containers → Choose Web → Upload → Browse for files → Search for template → Save  
2. Go back to Static Website → Refresh → Copy URL → Open new tab → Paste

<head>

<meta charset="utf-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<meta name="description" content="Basic HTML5 template" />

<title>Basic HTML Template</title>

<!-- Favicon (optional) -->

<link rel="icon" href="/favicon.ico" />

<!-- Example internal CSS (you can move this to styles.css) -->

<style>

:root { font-family: system-ui, -apple-system, 'Segoe UI', Roboto, 'Helvetica Neue', Arial; }

body { margin: 0; line-height: 1.5; color: #111; padding: 1rem; }

header, footer { padding: 1rem 0; }

header { border-bottom: 1px solid #eee; }

main { padding: 1rem 0; }

.container { max-width: 900px; margin: 0 auto; }

nav a { margin-right: 1rem; text-decoration: none; color: inherit; }

.btn { display: inline-block; padding: 0.5rem 1rem; border-radius: 6px; border: 1px solid #ccc; text-decoration: none; }

</style>

</head>

<body>

<header>

<div class="container">

<h1>My Website</h1>

<nav>

<a href="#">Home</a>

<a href="#about">About</a>

<a href="#contact">Contact</a>

</nav>

</div>

</header>

<main>

<div class="container">

<section id="hero">

<h2>Welcome</h2>

<p>This is a simple HTML5 starter template. Replace this text with your own content.</p>

<a class="btn" href="#">Get started</a>

</section>

<section id="about">

<h3>About</h3>

<p>Explain what your site does, who you are, or how to contact you.</p>

</section>

</div>

</main>

<footer>

<div class="container">

<small>© <span id="year"></span> My Website. All rights reserved.</small>

</div>

</footer>

<!-- Example script: set current year -->

<script>

document.getElementById('year').textContent = new Date().getFullYear();

// Small helper: toggle a class on body for demonstration

function toggleTheme() {

document.body.classList.toggle('dark');

}

</script>

</body>

</html>