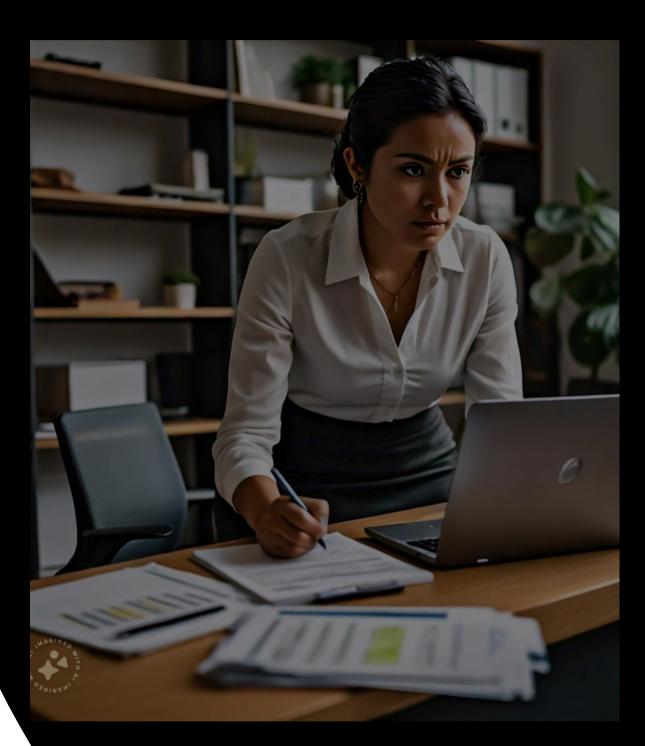




#### **OUR MISSION:**



"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

#### **OUR VALUES:**

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."

#### Week 1: AWS Fundamentals Review & Core Services

- Day 1-2: AWS Overview and Global Infrastructure
  - AWS Regions and Availability Zones
  - Core concepts: EC2, S3, IAM, VPC
- Day 3-4: Advanced EC2 & Auto Scaling
  - EC2 Instance Types and Pricing Models
  - Auto Scaling and Elastic Load Balancing
- Day 5: Elastic Block Store (EBS) and Amazon Machine Images (AMIs)
  - EBS Volume Types and Use Cases
  - Creating and Managing AMIs

### Week 2: Networking and Content Delivery

- Day 1-2: Virtual Private Cloud (VPC) Deep Dive
  - Subnets, Route Tables, NAT Gateways
  - Security Groups and Network ACLs
- Day 3-4: Advanced Networking
  - VPC Peering, AWS Transit Gateway
  - Direct Connect, VPN, and AWS PrivateLink
- Day 5: AWS CloudFront and Global Accelerator
  - Content Delivery Networks (CDNs)
  - Optimizing Application Performance

### Week 3: Storage Solutions

- Day 1-2: Amazon S3 Advanced Features
  - S3 Versioning, Lifecycle Policies, and Replication
  - S3 Glacier and S3 Select
- Day 3-4: AWS Storage Gateway and FSx
  - File Gateway, Tape Gateway, and Volume Gateway
  - FSx for Windows File Server and Lustre
- Day 5: Amazon EFS and Backup Solutions
  - EFS Performance and Use Cases
  - AWS Backup and Data Lifecycle Manager

#### Week 4: Databases

- Day 1-2: Amazon RDS and Aurora
  - RDS Instance Types, Automated Backups, and Snapshots
  - Aurora Clusters and Performance Insights
- Day 3-4: DynamoDB and NoSQL Databases
  - DynamoDB Tables, Indexes, and Streams
  - DynamoDB Accelerator (DAX) and Global Tables
- Day 5: Amazon Redshift and Data Warehousing
  - Redshift Clusters, Spectrum, and Workload Management

# Week 5: Security and Identity Management

- Day 1-2: Identity and Access Management (IAM)
  - IAM Users, Groups, Roles, and Policies
  - AWS Organizations and Control Tower
- Day 3-4: Advanced Security Tools
  - AWS Key Management Service (KMS)
  - AWS Certificate Manager and CloudHSM
- Day 5: AWS Security Hub and Compliance
  - AWS Config, CloudTrail, and GuardDuty
  - Compliance Programs and Best Practices

# Week 6: DevOps and Automation

- Day 1-2: AWS Elastic Beanstalk and OpsWorks
  - Deploying and Managing Applications
  - OpsWorks Stacks and Chef Automate
- Day 3-4: AWS CloudFormation and AWS CDK
  - Infrastructure as Code (IaC) Concepts
  - Creating and Managing Stacks
- Day 5: AWS CodePipeline, CodeBuild, and CodeDeploy
  - CI/CD Pipelines and Automated Testing
  - Deployment Strategies and Blue/Green Deployments

# Week 7: Analytics and Machine Learning

- Day 1-2: AWS Analytics Services
  - Amazon Athena, Glue, and QuickSight
  - Kinesis Data Streams and Firehose
- Day 3-4: AWS Machine Learning Services
  - Amazon SageMaker, Comprehend, and Rekognition
  - Machine Learning Use Cases and Best Practices
- Day 5: Data Lakes and Big Data Solutions
  - Building Data Lakes on AWS
  - Integrating with Hadoop and Spark

Week 8: Serverless Computing and Modern Application Architecture

- Day 1-2: AWS Lambda and Serverless Frameworks
  - Writing and Deploying Lambda Functions
  - Integrating with API Gateway and Step Functions
- Day 3-4: Container Services
  - Amazon ECS, EKS, and Fargate
  - Docker and Kubernetes on AWS
- Day 5: Advanced Architecting
  - Designing for High Availability and Fault Tolerance
  - Cost Optimization and Best Practices

# Our Partners Company's



























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THANKYOU

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