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ADYAPAN

Adyapan School

Amazon Web Services



Duration - 2 months

Industry
Certification



Skill India Certified

250+
Partner Companies

Build, deploy and scale on AWS

From cloud concepts to scalable solutions - become industry-ready.

This immersive AWS program takes learners from the foundational concepts of cloud computing through the full breadth of AWS services - compute, storage, networking, databases, security, and AI/ML and prepares them to design, deploy, and monitor real-world cloud architectures. By Week 8, students will be equipped for the AWS Certified Cloud Practitioner exam and entry-level cloud roles.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES

ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course - a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders – defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS



Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.



1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

8 weeks. 8 modules. Infinite impact.

WEEK 1

Introduction to Cloud Computing & AWS Global Infrastructure

- Discussion of curriculum
- Basics of cloud computing and cloud service models - IaaS, PaaS, and SaaS
- Benefits of the AWS Cloud: agility, elasticity, cost savings, global reach
- AWS global infrastructure: Regions, Availability Zones, edge locations, and how to choose the right Region
- The AWS Shared Responsibility Model: what AWS manages vs. what the customer manages, and how this shapes every decision



WEEK 2

AWS Core Compute & Storage Services

- Amazon EC2: instance types, pricing models, launching and connecting to instances, and selecting the right instance for workload requirements
- Scaling and load balancing: Auto Scaling groups for automatic capacity adjustment, ELB to distribute traffic across instances, and messaging and queuing
- Amazon S3 and storage fundamentals: object storage concepts, S3 storage classes, lifecycle policies, and versioning for data protection
- Amazon EBS and EFS: block storage for EC2 instances, EBS data lifecycle management, and Amazon Elastic File System for shared file storage



WEEK 3

Networking in AWS

- VPC architecture, CIDR block design, subnets, route tables, internet gateways, and NAT gateways for outbound connectivity
- Security groups and network ACLs and layering security controls at the instance and subnet levels
- Global networking and content delivery
- Hybrid connectivity: AWS Direct Connect for dedicated on-premises links, AWS VPN for encrypted site-to-site tunnels, and VPC peering for inter-VPC communication



8 weeks. 8 modules. Infinite impact.

WEEK 4

Databases in AWS

- Amazon RDS: relational database concepts, supported engines, Multi-AZ deployments for high availability, and read replicas for scaling read workloads
- Amazon DynamoDB: NoSQL key-value and document database fundamentals, partition keys, global tables, DynamoDB Streams
- Amazon ElastiCache for low-latency caching, Amazon Redshift for data warehousing, and Amazon Neptune for graph database workloads
- Database backup, recovery, and application integration: automated backups, manual snapshots, point-in-time recovery, and connecting web applications to AWS databases securely using IAM and secrets management



WEEK 5

Application Deployment & Serverless Computing

- Deploying web applications on EC2: Web server setup, deploying for automated environment management, and Auto Scaling policies
- Serverless computing with AWS Lambda: event-driven execution model, function triggers, concurrency and timeout configuration, and pricing based on invocations and duration
- Containers and orchestration: Amazon ECS, EKS, Fargate, and comparing container vs serverless approaches
- Infrastructure as Code and automation: AWS CloudFormation, AWS CDK, and AWS Systems Manager



WEEK 6

Advanced Storage, Content Delivery & Migration

- Advanced S3 features: S3 Object Lock, Requester Pays, Cross-Region Replication, S3 Select for querying object data, and event notifications
- CloudFront and caching strategy: distribution configuration, origin types, cache behaviors, Lambda@Edge for serverless logic at the edge, and signed URLs for private content
- The seven Rs framework, the AWS Cloud Adoption Framework, and AWS Database Migration Service
- Data transfer services: AWS Snowball and Snowmobile, AWS DataSync, and AWS Transfer Family



8 weeks. 8 modules. Infinite impact.

WEEK 7

Security, Monitoring, Compliance & Governance

- IAM advanced concepts: policies, roles for cross-account access, IAM Identity Center for SSO, and the principle of least privilege in practice
- Protecting networks and data: AWS WAF and AWS Shield, Amazon Inspector, AWS KMS, and AWS Certificate Manager
- Monitoring, auditing, and compliance: Amazon CloudWatch, AWS CloudTrail, AWS Config, and AWS Security Hub for centralized findings
- Governance and cost optimization: AWS Organizations and SCPs, AWS Trusted Advisor, AWS Cost Explorer, and AWS Budgets



WEEK 8

AI/ML on AWS, Framework & Capstone Project

- AI/ML and data analytics on AWS: Amazon SageMaker and deploying ML models, AWS AI services, Amazon Bedrock, and data pipelines using AWS Glue and Amazon Kinesis
- The AWS Well-Architected Framework and how to apply them to architecture reviews using the Well-Architected Tool
- Capstone project
- Scope of the AWS Certified Cloud Practitioner and Solutions Architect-Associate exams, exam registration guidance, recommended study resources, resume building for cloud roles, and interview preparation strategies



Adyapan School

WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Aspiring Cloud Engineers & AWS Professionals

Computer Science, IT & Software Engineering Students

Working Professionals in IT, Infrastructure & DevOps

System Administrators & Developers (Cloud Upskilling)

Startups, Tech Entrepreneurs & SaaS Builders

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Deloitte

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

Apply Now