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ADYAPAN

# Adyapan School

## Cloud Computing



Duration - 2 months

Industry  
Certification



Skill India Certified

250+  
Partner Companies

# Power digital transformation with Cloud expertise.

From infrastructure to scalable systems - become industry-ready.

This immersive Cloud Computing program takes you beyond foundational concepts into real-world cloud architecture and deployment. Learn virtualization, cloud services (IaaS, PaaS, SaaS), containerization, and DevOps integration through hands-on labs and guided projects. With a strong focus on practical implementation and industry use-cases, you'll graduate with the ability to design, deploy, and manage scalable, secure, and high-performance cloud solutions with confidence.

**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.

## CURRICULUM

# 8 weeks. 8 modules. Infinite impact.

### WEEK 1

#### Introduction to Cloud Computing

- Discussion of curriculum
- Overview of cloud computing
- Cloud service models: IaaS, PaaS, and SaaS with features and use cases
- Deployment models: Public, Private, Hybrid, and Multi-cloud environments
- Overview of major providers with pricing comparisons
- Setting up cloud accounts and navigating them.



### WEEK 2

#### Cloud Storage & Databases

- Types of cloud storage
- Using cloud storage services
- Cloud networking basics- VPC, subnets, security groups, and network configuration
- Types of cloud databases- SQL and NoSQL and managed services
- Connecting web applications to cloud databases and managing lifecycle policies



### WEEK 3

#### Virtualization, Containers & Cloud Infrastructure

- Understanding virtualization, virtual machines, and bare metal servers in cloud environments
- Containers, Docker, and how they support cloud-based deployments
- Launching and configuring virtual machines and setting up a simple web server
- Secure networking, content delivery networks, and cloud infrastructure architecture
- Comparing containerized vs. virtualized environments



## 8 weeks. 8 modules. Infinite impact.

### WEEK 4

#### Cloud Security Fundamentals

- Core cloud security concepts
- Encryption of data at rest and in transit using cloud provider encryption services
- Setting up monitoring and logging with AWS CloudWatch, Azure Monitor, and Google Cloud Operations
- Disaster recovery planning
- Security best practices and compliance frameworks for cloud environments



### WEEK 5

#### DevOps & Cloud Automation

- DevOps principles and the importance of automation in modern cloud environments
- Overview of Terraform, CloudFormation, and ARM templates
- Writing and deploying infrastructure using IaC tools in real cloud environments
- Setting up CI/CD pipelines
- Automating cloud deployments



### WEEK 6

#### Big Data & Analytics in the Cloud

- Overview of big data concepts and cloud-based big data services
- Real-time data processing
- Introduction to cloud-based ML and AI services
- Building and deploying machine learning models in the cloud



## 8 weeks. 8 modules. Infinite impact.

### WEEK 7

#### Generative AI & Cloud-Native Development

- Introduction to generative AI concepts and their applications in cloud computing
- Using generative AI for data augmentation
- Automating cloud management tasks using AI-driven operations and workflows
- Cloud-native application development
- Enhancing cloud security with AI-based threat detection and automated response systems



### WEEK 8

#### Emerging Trends, Career Paths & Revision

- No-code cloud solutions
- Application modernization strategies and hybrid/multi-cloud best practices
- Cloud monitoring techniques for tracking performance and optimizing operations
- Cloud computing job roles, career paths, and in-demand specializations



WHO THIS IS FOR

## This course is perfect for

Students & Career Switchers

Working Professionals in IT,  
Infrastructure & Networking

System Administrators &  
Developers

Aspiring Cloud Engineers &  
DevOps Professionals

Startups, Tech Entrepreneurs &  
SaaS Builders

Computer Science, IT &  
Software Engineering Students

### 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](https://adyapanschool.com) or email us at [support@adyapan.com](mailto:support@adyapan.com)

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