Celebrating **12** YEARS OF EXCELLENCE

CROMA CAMPUS

PROFESSIONAL GOOGLE CLOUD ARCHITECT CERTIFICATION TRAINING

Chase your dream companies

IBM · TECH mahindra

500K+ Satisfied Students

100K+ Online Students

300+ Trainers

300K+ Placements

200+ Global Certifications

150+ Companies

1.2 Million Learners

1–1 Personlized Mentorship

60% Average Salary Hike

About **PROGRAM**

Learning Format
Online / Offline

Trainer
Industry Professionals

Career Services
By Croma Campus

Our course content has been specifically designed to turn you into a skilled professional in this industry. As a part of your certification training, you will receive enough study material and recorded video sessions that will help you cover all the latest trends and features in this course. The training session will comprise important sections, features, advantages, and scope of the technology in the coming years. Moreover, our qualified trainers will help you imbibe all the required skills, and information in a much better manner to help you in you becoming an expert in this technology. Post the completion of your course, you will receive a training certificate recognized world-wide.

What Make Us **Trick**

Career-oriented Sessions
Attend 25+ career-oriented sessions by industry mentors and prepare your career trajectory

Profile Building
Craft a Cloud Computing resume and LinkedIn profile and make an impression on top employers

Mock Interview Preparation
Prepare with mock interviews including most asked questions by top employers

1:1 Mentoring Sessions
Get 1:1 guidance at every step in your career transition to Cloud Computing

Dedicated Job Portal Access
Get exclusive access to 200 job postings per month on Intellipaat's job portal

Minimum 3 guaranteed interviews
Get job interviews with 400+ hiring partners including promising startups and top MNCs

Program FEATURES

Key Highlights

- Instructor - Led Training
- Self- paced Videos
- Project & Exercises
- Job Assistance
- Flexible Schedule
- Life Time Free Upgrade
- Mentor Support
- Guaranteed Interviews
- 1 - 1 with industry mentors
- Training Certification

Who Should Enroll in this Program?

Any technical degree or equivalents such as B.tech, M.tech, a degree in engineering, bachelor/master's in computer science, and basic programming knowledge.

This program caters to a wide audience, from those who are hoping to enter the industry

- Fresh graduates who are intent on taking the plunge into the job market
- Developers who are working in one of the functional roles of front-end or back
- Development and want to shift to full stack development
- Test engineers, system engineers, and others who want to make a career shift to

Module 1 : Designing and Planning a Cloud Solution Architecture

- Designing a solution infrastructure that meets business requirements. Considerations include
  ◇ Business use cases and product strategy
  ◇ Cost optimization
  ◇ Supporting the application design
  ◇ Integration with external systems
  ◇ Movement of data
  ◇ Design decision trade-offs
  ◇ Build, buy, or modify
  ◇ Success measurements (e.g., key performance indicators [KPI], return on investment [ROI], metrics)
  ◇ Compliance and observability
- Designing a solution infrastructure that meets technical requirements. Considerations include
  ◇ High availability and failover design
  ◇ Elasticity of cloud resources
  ◇ Scalability to meet growth requirements
  ◇ Performance and latency
- Designing network, storage, and compute resources. Considerations include
  ◇ Integration with on-premises/multi-cloud environments
  ◇ Cloud-native networking (VPC, peering, firewalls, container networking)
  ◇ Choosing data processing technologies
  ◇ Choosing appropriate storage types (e.g., object, file, RDBMS, NoSQL, New SQL)
  ◇ Choosing compute resources (e.g., pre-emptible, custom machine type, specialized workload)
  ◇ Mapping compute needs to platform products
- Creating a migration plan (i.e., documents and architectural diagrams). Considerations include
  ◇ Integrating solution with existing systems
  ◇ Migrating systems and data to support the solution
  ◇ Licensing mapping

- ◇ Network planning
- ◇ Testing and proof of concept
- ◇ Dependency management planning
- Envisioning future solution improvements. Considerations include
  - ◇ Cloud and technology improvements
  - ◇ Business needs evolution
  - ◇ Evangelism and advocacy

✅ Module 2 : Managing and Provisioning a Solution Infrastructure

- Configuring network topologies. Considerations include
  - ◇ Extending to on-premises (hybrid networking)
  - ◇ Extending to a multi-cloud environment that may include GCP to GCP communication
  - ◇ Security and data protection
- Configuring individual storage systems. Considerations include
  - ◇ Data storage allocation
  - ◇ Data processing/compute provisioning
  - ◇ Security and access management
  - ◇ Network configuration for data transfer and latency
  - ◇ Data retention and data life cycle management
  - ◇ Data growth management
- Configuring compute systems. Considerations include
  - ◇ Compute system provisioning
  - ◇ Compute volatility configuration (preemptible vs. standard)
  - ◇ Network configuration for compute nodes
- Infrastructure provisioning technology configuration (e.g. Chef/Puppet/ Ansible/Terraform/Deployment Manager)
- Container orchestration with Kubernetes

✅ Module 3 : Designing for Security and Compliance

- Designing for security. Considerations include
  - ◇ Identity and access management (IAM)
  - ◇ Resource hierarchy (organizations, folders, projects)
  - ◇ Data security (key management, encryption)
  - ◇ Penetration testing
  - ◇ Separation of duties (SoD)
  - ◇ Security controls (e.g., auditing, VPC Service Controls, organization policy)

- ◇ Managing customer-managed encryption keys with Cloud KMS
- Designing for compliance. Considerations include
  - ◇ Legislation (e.g., health record privacy, children's privacy, data privacy, and ownership)
  - ◇ Commercial (e.g., sensitive data such as credit card information handling, personally identifiable information [PII])
  - ◇ Industry certifications (e.g., SOC 2)
  - ◇ Audits (including logs

✅ Module 4 : Analyzing and Optimizing Technical and Business Processes

- Analyzing and defining technical processes. Considerations include
  - ◇ Software development life cycle plan (SDLC)
  - ◇ Continuous integration / continuous deployment
  - ◇ Troubleshooting / post mortem analysis culture
  - ◇ Testing and validation
  - ◇ Service catalogue and provisioning
  - ◇ Business continuity and disaster recovery
- Analyzing and defining business processes. Considerations include:
  - ◇ Stakeholder management (e.g. influencing and facilitation)
  - ◇ Change management
  - ◇ Team assessment / skills readiness
  - ◇ Decision-making process
  - ◇ Customer success management
  - ◇ Cost optimization / resource optimization (capex / opex)
- Developing procedures to ensure resilience of solution in production (e.g., chaos engineering)

✅ Module 5 : Managing Implementation

- Advising development/operation team(s) to ensure successful deployment of the solution. Considerations include
  - ◇ Application development
  - ◇ API best practices
  - ◇ Testing frameworks (load/unit/integration)
  - ◇ Data and system migration tooling
- Interacting with Google Cloud using GCP SDK (gcloud, gsutil, and bq). Considerations include
  - ◇ Local installation
  - ◇ Google Cloud Shell

- IAM   user- groups
  - ◇ Creating a user and group
  - ◇ Adding a user to the group
  - ◇ Password policy setup for users
  - ◇ Attaching policy to users
  - ◇ Enabling dual /Multifactor authentication to the users

- IAM Roles
  - ◇ Creating a role
  - ◇ Launching a EC2 instance using a S3 full access role
  - ◇ Deleting a role
- Security Token service
- Security on AWS
- AWS and IT audits

✅ Module 17: AWS CLI

- Working with the AWS CLI
- Launch instance with s3 and ec2 full access
- Configure AWS cli client
- Create a security group using cli
- Create a key pair using cli
- Launch an ec2 instance using cli
- Stop an ec2 instance using cli
- Terminate an ec2 instance using cli
- Create an s3 bucket using cli
- Upload and download an object from your local machine to s3 through cli
- List buckets through cli
- Delete buckets through cli

✅ Module 18 : AWS - Web App and RDS

- RDS - An Overview
- RDS – Read Replica
- RDS- Multi AZ failover
- RDS snapshots
  - ◇ Create a RDS instance
  - ◇ Connecting to an RDS instance
  - ◇ Creating a RDS snapshots and restoring snapshot
  - ◇ Deleting RDS snapshots

- Deploy Web application in Amazon Ec2 (media wiki)
- Connect your Media wiki web application with RDS instances securely
- Make media wiki available on public URL for user sign up and write knowledge wiki
  - ◇ Deleting RDS instance

✅ Module 19 : AWS Route 53 (Live Demo by Instructor)

- Route 53 - routing options
- Simple routing – Hands-on lab
- weighted routing policy lab
- latency based routing lab
- Geolocation based routing lab
- failover routing lab

✅ Module 20 : AWS - Virtual Private Cloud (VPC)

- What is VPC? – A comprehensive introduction
- Networking bottlenecks
- Understanding VPC configurations
  - ◇ VPC with single public subnet
  - ◇ VPC with public and private subnet
  - ◇ VPC Peering
  - ◇ Access control List
- Configuring VPC Instances (Hands on lab by students)
  - ◇ Creating a VPC
  - ◇ Subnets
  - ◇ Internet Gateway
  - ◇ Routing
  - ◇ Configuring a NAT Gateway
  - ◇ Creating security groups
  - ◇ Launching instances in public and private subnets
- NAT vs Bastions
- VPC Flow Logs
- VPC clean up

✅ Module 21 : AWS Cloud Formation

- Infrastructure as Code using Cloud Formation
- Cloud formation – Create a new stack

- Create and deploy sample template in JSON format
- Use existing templates and deploy

Module 22 : Monitoring in the Cloud

- Cloud Watch Introduction
- EC2 Status Troubleshooting
- Create A Cloud Watch Role
- Monitoring EC2 with Custom Metrics
- Monitoring EBS
- Monitoring RDS
- Monitoring ELB
- Monitoring Elastic Cache
- Centralized Monitoring Servers
- Consolidated Billing
- Billing & Alerts
- Cost optimization

e-Learning through LMS

Learning Management System

Our LMS (LearnPitch) is for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, or learning and development programs.

Our LMS has been designed to identify training and learning gaps, using analytical data and reporting to keep you up with the class activities.

Key Features Learning Management System

Live Sessions with Class recordings

Get study material with Assignments.

Track your curriculum covered.

Track your class wise attendance

Share your feedback for Trainer & Training

Get your Training Certificate from LMS

Training **Certification**

Earn Your **Certificate**

Your certificate and skills are vital to the extent of jump-starting your career and giving you a chance to compete in a global space.

Croma Campus is **Nasscom Certified**

Croma Campus is now

NASSCOM®

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MEMBER

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OF MEMBERSHIP

CromaCampus Training & Development Private Limited

is a member of NASSCOM

Membership ID : NSCM/2023/33/7617

Valid Till : 31-March-2024

Debjani Ghosh
President, NASSCOM

www.cromacampus.com

Croma Campus! Reviews

"The most rewarding part of my experience has been achieving a prestigious certification in the subject that I love. Moreover, the training offered out by the specialists are of world-class and prepares out the students for corporate world. For me Croma Campus means a lot."

" By The *Students* For The *Students* „

Your Success Is Our Story

Bharat
" I am fully satisfied with the excellent training services received by the expert staff at Croma Campus. I want to thank Croma Campus for providing me with the most innovative and affordable training services for learning all the software testing procedures and guidelines. "

Ankit
" It was a lifetime experience for me to get trained by IT Experts of Croma Campus. What I liked most about the training was the consistent high-quality education, which was friendly and co-active. The placement department was also proactive, they keep me updated regarding new job opportunities and provide the grooming session to crack the interview. At last, I would like to thank all faculty members of Croma Campus for their immense help and support. "

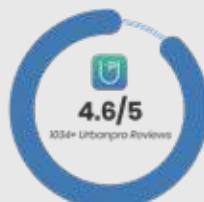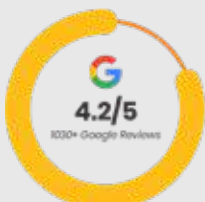### Umesh
" Without any second thought, I will give Croma Campus 10/10. Their placement department is highly proactive. I remember they started scheduling interviews for me from the very next day when I told them my course has been completed. These people are doing a phenomenal job and I highly recommend Croma Campus to everyone. "

Shams Khan
" Croma Campus is doing a phenomenal job in the IT training industry. The reason why I decided to join their training program was that they provide quality training at very a nominal price. Plus, the online training mode was also a factor due to which I decided to join the training program of Croma Campus as I didn't want to attend physical classes. "

G 4.2/5
1030+ Google Reviews

4.8/5
1224+ Sulekha Reviews

4.6/5
1034+ Urbanpro Reviews

Jd 4.3/5
1294+ Just Dial Reviews

f 4.5/5
12980+ Facebook Reviews

Meet Our Team

Sales Team

Our Sales team is highly passionate, emphatic, positive attitude, great listening skills, ability to deliver quick solutions, and they are multitasker too. Our team always remains up-to-date about all the latest technologies and market trends. With effective communication skills, they always work to deliver the right information to customers when it is needed.

Product Team

Our product team is highly functional and collaborative working together to achieve the common outcome of designing exceptional digital experiences. Each of our members is a contributor to help us achieve success in long-run. Sitting at the high-end of technology and innovation, team helps to deliver high-end customer experiences and always comes out with a big idea as a game-changing plan.

Marketing Team

Our Marketing team works as gladiators and helps us to achieve business success in all possible ways. They are included in almost everything either it is building a brand, creating brand awareness, promoting products or services, delivering trailblazing customer experiences or increasing engagement at public forums. They are the true backbone of the Company.

Content Team

Our content team is responsible for ideation, creation, optimization, and distribution of content throughout the company. The team always starts its work with a strategy, how to create high-quality contents, and how to promote or share the content. Our in-house content team help us to produce all types of contents either they are educational content pieces, marketing content, SEO content, or any other forms too.

Customer Access Team

This is the team that has actually been taken up us from reactive state to a pro-active state. The team utilizes high-valued solutions to satisfy customers in all possible ways. It is truly said that no company can succeed if your customers are not satisfied. And our customer success team is dedicatedly working to keep all the customers satisfied and we always consider our customer feedback on priority.

HR Team

Our HR team is committed to provide high-end solutions to employees as they require. Our HR team has the right skills and knowledge to make sure that the HR department can always be legally and strategically successful. They know how to keep employees motivated all the time with the best HR policies and fun activities too from time to time.

Glimpse Of **Our Office**

Look **Who We are**

Our office's infrastructure comprises all the necessary software and network resources that are required to deliver IT & Design, Human Resources, Digital Marketing, and training services.

We are well-equipped with bright designed work bays for employees and managers having separate cabins with spacious cafeteria and training classrooms.

About **Croma Campus**

" **Our Mission is to Build Nation through Education & Beyond Limitation. "**

Croma Campus Training & Development Private Limited is an education platform providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty, industry & Infrastructure. In the past 12 years we have trained 18000+ candidates and out of which we are able to place 12000+ professionals in various industries successfully.

We Are Affiliated With Different Partners

ISO CERTIFIED COMPANY

MSME

N·S·D·C National Skill Development Corporation
Transforming the skill landscape

GST

startupindia

Ministry Of Corporate Affairs Government of India

PMKVY

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