UrbanScholar

PROGRAM BROCHURE



CAREER TRACK · CLOUD COMPUTING

CLOUD COMPUTING

A hands-on cloud infrastructure track — compute, networking, security, and serverless — for learners who want to architect real systems, not just pass a certification exam.

8–10	7	6	2
WEEKS	MODULES	CAPSTONES	PROGRAM TRACKS

TWO TRACKS · KICKSTART & CAREER

Program Overview

How this track builds real cloud infrastructure skills

Architecture-first, not slide-first. Every module ends with something actually deployed — a VM, a serverless function, a load-balanced app — so cloud concepts get tested against a real bill and real latency, not just a diagram.

Built-in mentorship. Each module closes with a mentor-reviewed checkpoint, so gaps get caught early instead of at the final capstone.

Career layer, not an afterthought. Resume positioning, interview readiness, and aptitude prep run alongside the technical modules — not bolted on in the last week.

Who This Is For

- Students & freshers targeting cloud/infra roles
- System admins & developers moving into cloud
- Anyone comfortable with basic Linux & networking

What You'll Walk Away With

- 6 deployed cloud projects for your portfolio
- Working fluency in AWS/Azure core services
- A recruiter-ready resume built around real deployments

Program Snapshot

16+ Hrs Live Instructor-Led Sessions

6 Real-World Cloud Projects

7 Structured Learning Modules

Training + Internship Certificate

Mentor-Reviewed Project Checkpoints

Placement & Interview Support

Learning Path

7 modules, sequenced from foundations to deployment

1 · Cloud Fundamentals

- IaaS, PaaS & SaaS, explained with examples
- Public, private & hybrid cloud models
- AWS, Azure & GCP — a practical overview

2 · Core Compute & Storage

- Virtual machines, sized & configured correctly
- Object, block & file storage
- Load balancing across instances

3 · Networking in the Cloud

- VPCs/VNets & subnetting
- Security groups & network ACLs
- DNS & CDN basics for real apps

4 · Cloud Databases

- Relational managed databases (RDS/Cloud SQL)
- NoSQL options (DynamoDB/Cosmos DB)
- Choosing the right database for the job

5 · Identity, Security & Cost Management

- IAM roles & least-privilege policies
- Encryption at rest & in transit
- Monitoring & controlling cloud spend

6 · Serverless & Containers

- Lambda/Cloud Functions in practice
- Docker fundamentals
- Kubernetes — a working overview

7 · Cloud Deployment & Monitoring

- CI/CD basics for cloud deployments
- CloudWatch/Monitor for observability
- Auto-scaling that actually works

Tools and Softwares You Can Work With

AWS AWS | Az Azure | Do Docker | Ku Kubernetes (intro)

Te Terraform (intro) | Li Linux

Capstone Projects

Six builds that turn coursework into a portfolio — 1 of 2

1 · Host a Scalable Web App on AWS/Azure

Deploy a full-stack app using a VM or App Service plus a managed database.

SOFTWARE USED

AA AWS/Azure AM a managed DB

- Provision compute & database resources
- Configure networking & security groups
- Deploy the app end-to-end

2 · Serverless File Processing Pipeline

A trigger-based function that processes uploaded files, e.g. resizing images.

SOFTWARE USED

AL AWS Lambda / Azure Functions

- Trigger a function on file upload
- Process the file & store the output
- Handle errors & retries gracefully

3 · Multi-Tier Architecture with Load Balancing

Design a fault-tolerant 3-tier app architecture that survives an instance failure.

SOFTWARE USED

AA AWS/Azure AL a load balancer

- Separate web, app & data tiers
- Configure a load balancer across instances
- Test failover behavior

Capstone Projects

Six builds that turn coursework into a portfolio — 2 of 2

4 · Cloud Cost Optimization Report

Analyze a sample cloud bill and recommend concrete cost-saving architecture changes.

SOFTWARE USED

CB **Cloud billing/cost tools**

- Identify the biggest cost drivers
- Recommend rightsizing & reserved options
- Quantify projected savings

5 · Containerized Application Deployment

Dockerize an application and deploy it to a managed Kubernetes cluster.

SOFTWARE USED

Do **Docker** Ku **Kubernetes**

- Write a production-ready Dockerfile
- Deploy to a managed K8s cluster
- Configure basic scaling rules

6 · Disaster Recovery & Backup Strategy Design

Architect and document a backup and disaster-recovery plan for a cloud workload.

SOFTWARE USED

Cl **Cloud-native backup services**

- Define RTO/RPO targets
- Design an automated backup strategy
- Document a recovery runbook

A Day in the Role

What a Cloud Engineer's Day Actually Looks Like

- Provision & configure cloud resources
- Troubleshoot networking & access issues
- Automate deployments with IaC tools
- Monitor uptime, performance & cost
- Harden environments against security risks
- Plan capacity ahead of demand spikes

> **The throughline:** every capstone in this brochure is a smaller version of one of these responsibilities — so the portfolio you leave with maps directly to the job you're training for.

Career Outlook

Where a cloud skill-set actually leads

Nearly every modern company runs on cloud infrastructure — demand spans architects, engineers, and support roles across every industry, not just tech-first companies.

Role	What They Do	Salary Range (Fresher / Experienced)
Cloud Engineer	Builds & maintains cloud infrastructure	₹5–9 LPA / ₹12–22 LPA
Cloud Solutions Architect	Designs cloud architecture for business needs	₹9–14 LPA / ₹20–35 LPA
Cloud Support Engineer	Troubleshoots & supports cloud deployments	₹4–7 LPA / ₹9–16 LPA
Site Reliability Engineer	Keeps cloud systems reliable & performant	₹7–11 LPA / ₹16–28 LPA
Cloud Security Engineer	Secures cloud infrastructure & access	₹7–11 LPA / ₹15–26 LPA
Cloud Consultant	Advises clients on cloud migration & strategy	₹6–10 LPA / ₹14–24 LPA

Indicative ranges from general India market trends — validate against current job-board data before publishing.

Companies Actively Hiring in This Space

Am Amazon (AWS)

MA Microsoft Azure

GC Google Cloud

IBM IBM

In Infosys

Wi Wipro

Representative employers in this space — not confirmed UrbanScholar hiring partners.

Program Tracks

Two tracks, same curriculum depth — the difference is placement intensity

KICKSTART

- 14+ hrs live cohort + recorded lectures
- 2 guided projects
- 6 months LMS access
- QR-verified completion certificate
- Mentor support — SLA ≤ 48 hrs
- Resume building workshop
- Mock aptitude test
- Pre-placement orientation session

CAREER

- 20+ hrs live cohort + recorded lectures
- 2 projects + capstone (Minor + Major)
- 6 months LMS access, extendable till placed
- QR-verified + Industry-Readiness certification
- Priority mentor support — SLA ≤ 24 hrs
- Resume + LinkedIn profile building
- 1-on-1 mock interviews with feedback
- Active placement & referral assistance

Common to Both Tracks

All 7 Curriculum Modules

All 6 Capstone Projects

Mentor-Reviewed Checkpoints

Training + Internship Certificate

Where UrbanScholar Cloud Learners Can Head

Cloud-Native Startups

IT Services & Consulting

Enterprise IT Teams

Managed Service Providers

Freelance / Independent Consulting

Placement Journey

How career support is woven through the program, not tacked on at the end

1

Build Foundation

Resume & LinkedIn built around real project outcomes, not generic templates.

2

Sharpen Aptitude

Structured aptitude & reasoning practice aligned to actual hiring-test formats.

3

Practice Interviews

Mock interviews with direct, specific feedback — not just a pass/fail score.

4

Get Placement Ready

Soft-skill coaching and, on the Career track, active referral support.

Why this order matters: most programs bolt placement prep onto the last week. Here it runs in parallel with the technical modules, so by the time your capstones are done, your resume and interview readiness are already in place — not started from scratch.

Quick Questions

Do I need prior background to start?

Some familiarity helps, but the early modules — starting with Cloud Fundamentals — rebuild the fundamentals from the ground up.

What happens if I fall behind a session?

Every live session is recorded, and mentor SLA windows exist specifically to help you catch up between checkpoints.

Can I switch tracks mid-program?

Yes — Kickstart learners can upgrade to Career at any point by paying the difference, carrying forward completed modules.

Is the certificate recognized by employers?

It's a QR-verified training + internship certificate — employers can verify authenticity directly, not just take it on faith.

UrbanScholar

Industry-Trained. Project-Proven. Career-Ready.

Get In Touch

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PROGRAM

Cloud Computing — Kickstart & Career Tracks