MASTER CLOUD AI INFRASTRUCTURE COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Cloud AI Infrastructure Training

BEST RATED ON TOP PLATFORMS

Google · Trustpilot · Sulekha

COURSE BENEFITS

- 100% Practical & Real-Time Hands-On Labs
- End-to-End Capstone Implementation Projects
- Industry Recognized Certification Preparation
- 100% Dedicated Placement Support in MNC's & Mock Interviews

15+	500+	25K	15K
YEARS OF EXCELLENCE	HIRING PARTNERS	STUDENTS TRAINED	STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

ARE YOU FACING THESE CHALLENGES ?

- Still searching for your first job after graduation?
- Worried about the Gap? And don't know how to start your career?
- Stuck in a low-salary job? and seeking for better growth opportunities?
- Fear of switching to an IT career from a non-IT background
- Not getting interview calls despite applying to 100+ jobs?

How Inventateq Helps You

Waiting Ends. Careers Begin.
Build job-ready skills. Start applying with confidence.

Turns Gaps into Comebacks
Close skill gaps. Rebuild your career.

Break Free. Move Forward
Learn in-demand skills. Take your next career step.

Doubt Out. Confidence In.
Practice real skills. Walk into interviews prepared.

Turn Rejections into Chances
Turn every setback into skills employers value.

Be Smart Learn AI
Learn AI tools. Work smarter. Stay updated.

ABOUT INVENTATEQ

Inventateq is a leading IT training and placement company committed to transforming learners into industry ready professionals

Our Mission
To deliver high-quality education, practical skills and career opportunities that empower individuals to achieve their dreams.

Our Vision
To be a globally recognised training company known for innovation, quality and impactful learner outcomes.

Why Thousands Choose Inventateq?

15+	500+	25,000+	15,000+
Years of Excellence	Hiring Partners	Students Trained	Students Placed

We Collaborate With

Deloitte · Capgemini · amazon · HCL · Tech Mahindra

WHY LEARN CLOUD AI INFRASTRUCTURE ?

Enterprises worldwide are actively hiring certified Cloud AI Infrastructure professionals to drive critical business operations, digital transformation, and modernization.

CAREER SCOPE OF CLOUD AI INFRASTRUCTURE

- **Exponential Industry Demand**
  Rapid enterprise adoption across global IT firms, MNCs, and technology centers.
- **Premium Salary Compensation**
  Command competitive compensation packages with rapid growth milestones.
- **Cross-Industry Opportunities**
  Versatile skill set applicable across technology, consulting, finance, and core sectors.
- **Future-Proof Career Growth**
  Long-term tech skill viability supported by ongoing digital modernization and tooling investment.
- **Global Certification Pathways**
  Direct alignment with recognised industry certifications to validate your competence.
- **Worldwide Job Prospects**
  Open doors to roles in major Indian tech hubs as well as international remote positions.

INDUSTRY-RECOGNIZED CERTIFICATION

QR Verified · Globally Valid · ISO 9001:2015

Rapid Cloud Adoption. Enterprise Infrastructure Demand. High-Growth Packages.

Average Cloud AI Infrastructure Engineer Salary in India

₹7.0 LPA – ₹22 LPA

WHY INVENTATEQ ?

Because we have placed over 15,000+ students and we can place you as well!

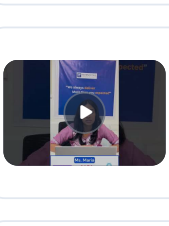
STUDENT PLACEMENTS

- 100% Placement Assurance Support
- 500+ Top Tech Hiring Partners
- Resume & LinkedIn Optimization
- Industry Mock Technical Interviews
- Unlimited Interview Calls Until Placed

COURSE & PLACEMENT VIDEOS

Student Genuine Feedback
Inventateq Reviews & Student Genuine Feed...
Inventateq Bangalore Reviews
Watch Video

Practical Training Success
AWS Course in Bangalore: Best AWS Training &...
Industry Tech Career
Watch Video



Placement Story
Inventateq HR Practical Training Student Succ...
Campus to MNC Offer
Watch Video

Interview Skills & Growth
Free Interview Skills Development Classes for...
Free Student Masterclass
Watch Video

> At Inventateq, Your Success is Our Mission !

GUARANTEED PLACEMENT SUPPORT

We don't just teach, we prepare you for the real world!

- Aptitude Training
- Technical Training
- Mock Interviews
- HR Interview Preparation
- Resume Preparation
- Cover Letter Preparation
- LinkedIn Profile Optimization
- Job Portal Access
- Placement Drives & Hiring Events

OUR RECRUITMENT PARTNERS

TATA · Infosys · wipro · Capgemini · Tech Mahindra · LARSEN & TOUBRO · HCL TECH · accenture

OUR PLACEMENT STATS

Our placement record reflects consistent growth, with students securing opportunities across leading companies in diverse industries.

15,000+	500+	95%	6 LPA
Students Placed	Companies Hired	Placement Ratio	Average Package

Check Most Recent Placements

CAREER PROGRESSION

Job responsibilities, technical competency and portfolio evidence for each role.

ROLE PATHWAY	TYPICAL RESPONSIBILITIES	PORTFOLIO PROOF
Cloud AI Engineer	Manage core Cloud tasks, configure and support delivery.	Practical Cloud setup files, exercise scripts, and documentation.
Cloud AI Specialist	Build practical Python workflows, implement features, and resolve issues.	Functional Python modules, workflow configs, and practical deliverables.
Cloud Cloud AI Architect	Lead Cloud AI technical delivery, design solutions, and set standards.	Complete Cloud AI capstone artifacts, technical blueprints, and reports.

SKILLS ROADMAP

Progress from core foundations to production-ready enterprise workflows.

MILESTONE	PRACTICAL OUTPUT	REVIEW EVIDENCE
Milestone 1 (Foundations)	Master fundamental Cloud concepts, tools.	Configured Cloud workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Python workflows and utilities.	Working Python project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced infrastructure features, integrations, and optimizations.	Validated infrastructure configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Cloud AI capstone project and technical review.	Cloud AI project portfolio artifact and defense.

DETAILED MODULE PLAN

12 in-depth modules • 3 Months Duration • Hands-on practical training

1 Module 1: Cloud & AI Infrastructure Fundamentals

- Learning Objectives
- Understand how cloud infrastructure supports modern AI and ML applications.
- Introduction to Cloud Computing
- IaaS, PaaS and SaaS
- Public, Private and Hybrid Cloud
- Regions and Availability Zones
- Virtual Machines
- Containers

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Learning Objectives exercise.

INTERVIEW & ASSESSMENT
Explain what Learning Objectives is used for and why companies choose it in simple words.

2 Module 2: Linux, Networking & Security Fundamentals

- Learning Objectives
- Build the infrastructure-level skills required to manage cloud AI servers.
- Linux commands
- File systems
- Users and permissions
- Processes
- Services
- Package management

GUIDED LAB
Create user accounts with restricted permissions and test secure role switching.

INTERVIEW & ASSESSMENT
Explain why giving minimum required permissions protects cloud environments.

3 Module 3: AWS & Azure Infrastructure for AI

- Learning Objectives
- Learn to provision cloud infrastructure suitable for AI workloads.
- AWS
- EC2
- S3
- IAM
- VPC
- EBS

GUIDED LAB
Set up a private cloud network with firewall rules to safely control incoming traffic.

INTERVIEW & ASSESSMENT
Explain how network rules protect cloud servers from unauthorized internet access.

4 Module 4: Python & AI Application Deployment

- Learning Objectives
- Understand how Python-based AI applications are packaged and deployed.
- Python environment management
- Requirements management
- Virtual environments
- APIs
- FastAPI
- REST APIs

GUIDED LAB
Deploy an application across multiple container pods and test automatic restart.

INTERVIEW & ASSESSMENT
Explain how cluster management helps keep high-traffic websites online.

5 Module 5: Docker & Containerization for AI

- Learning Objectives
- Learn to package AI applications into portable production-ready containers.
- Docker fundamentals
- Images
- Containers
- Dockerfile
- Docker Compose
- Volumes

GUIDED LAB
Package a simple application into a lightweight container and run it on your machine.

INTERVIEW & ASSESSMENT
Explain why developers use containers to make apps run reliably anywhere.

6 Module 6: Kubernetes for AI Workloads

- Learning Objectives
- Understand how Kubernetes manages scalable AI applications.
- Kubernetes architecture
- Cluster
- Nodes
- Pods
- Deployments
- Services

GUIDED LAB
Deploy an application across multiple container pods and test automatic restart.

INTERVIEW & ASSESSMENT
Explain how cluster management helps keep high-traffic websites online.

7 Module 7: Infrastructure as Code with Terraform

- Learning Objectives
- Automate cloud infrastructure deployment instead of manually creating resources.
- Infrastructure as Code
- Terraform architecture
- Providers
- Resources
- Variables
- Outputs

GUIDED LAB
Deploy an application across multiple container pods and test automatic restart.

INTERVIEW & ASSESSMENT
Explain how cluster management helps keep high-traffic websites online.

8 Module 8: GPU & AI Compute Infrastructure

- Learning Objectives
- Understand the infrastructure required to run compute-intensive AI workloads.
- CPU vs GPU
- GPU architecture basics
- GPU memory
- AI inference workloads
- AI training workloads
- GPU-enabled cloud instances

GUIDED LAB
Launch a virtual cloud server, connect to it securely, and host a simple web page.

INTERVIEW & ASSESSMENT
Explain the benefits of renting cloud servers instead of buying physical computers.

9 Module 9: Generative AI & LLM Infrastructure

- Learning Objectives
- Learn how modern GenAI applications are deployed and operated in the cloud.
- LLM architecture overview
- LLM inference
- Model serving
- Prompt processing
- Embeddings
- Vector databases

GUIDED LAB
Configure and verify Learning Objectives in your practice cloud environment.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives improves system reliability and performance.

10 Module 10: CI/CD & MLOps for AI Infrastructure

- Learning Objectives
- Automate the build, testing, deployment, and update process for AI applications.
- CI/CD fundamentals
- Git workflows
- GitHub Actions
- Automated testing
- Docker build pipelines
- Container registry

GUIDED LAB
Package a simple application into a lightweight container and run it on your machine.

INTERVIEW & ASSESSMENT
Explain why developers use containers to make apps run reliably anywhere.

11 Module 11: Monitoring, Logging & Observability

- Learning Objectives
- Monitor the health, performance, reliability, and cost of AI infrastructure.
- Application monitoring
- Infrastructure monitoring
- Logs
- Metrics
- Traces
- Cloud monitoring

GUIDED LAB
Set up simple performance alarms to receive email alerts when cloud server CPU spikes.

INTERVIEW & ASSESSMENT
Explain how system monitoring helps engineers fix issues before users notice.

12 Module 12: Cloud Security, Reliability & Cost Optimization

- Learning Objectives
- Learn how to operate AI infrastructure securely, reliably, and cost-effectively.
- IAM best practices
- Least privilege
- Secrets management
- Encryption
- Network security
- Secure APIs

GUIDED LAB
Set up a private cloud network with firewall rules to safely control incoming traffic.

INTERVIEW & ASSESSMENT
Explain how network rules protect cloud servers from unauthorized internet access.

REAL-WORLD PORTFOLIO PROJECTS

Practical industry scenarios, tools applied, and demonstrable project outcomes.

Project 1: Learning Objectives

What it is: Set up the core Cloud AI Infrastructure environment and configure essential business settings.
What you do: Initialize base configurations, create clean templates, and verify workflow controls.
Tools used: Cloud AI Infrastructure, Learning Objectives.
Project outcome: Working project foundation configured and tested according to best practices.

Project 2: IAM best practices

What it is: Build practical AWS Azure Infrastructure modules to handle everyday business operations.
What you do: Create core functional components, validate input data, and prevent common errors.
Tools used: Cloud AI Infrastructure, AWS Azure Infrastructure, Learning Objectives.
Project outcome: Functional business module ready to run and demo with zero manual errors.

Project 3: Least privilege

What it is: Connect Docker Containerization AI with Learning Objectives to automate data and team workflows.
What you do: Set up automated triggers, link required services, and automate repetitive tasks.
Tools used: Cloud AI Infrastructure, Docker Containerization AI, Learning Objectives.
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Secrets management

What it is: Optimize Infrastructure Code Terraform workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Cloud AI Infrastructure, Infrastructure Code Terraform, Learning Objectives.
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Encryption

What it is: Implement advanced Generative AI LLM features matching real industry requirements.
What you do: Configure custom settings, automate reporting tasks, and test business logic.
Tools used: Cloud AI Infrastructure, Generative AI LLM, Learning Objectives.
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 6: Cloud AI Infrastructure End-to-End Capstone

What it is: Build a complete, production-ready Cloud AI Infrastructure project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: Cloud AI Infrastructure, Monitoring Logging Observability.
Project outcome: Verified capstone project ready to showcase on your resume and interview calls.

ASSESSMENT FRAMEWORK

Module tests, practical evaluations, capstone and completion criteria.

COMPONENT	ASSESSMENT FOCUS	PASS EVIDENCE
Module Knowledge Quizzes	Core Cloud principles, industry terminology, and workflow concepts.	Consistent passing score across syllabus unit evaluation tests.
Lab Submissions & Practice Reviews	Hands-on Python implementation, configuration, and practical exercises.	Working lab deliverables satisfying practical evaluation rubrics.
Hands-On Mini Projects	Independent problem-solving using intermediate Infrastructure techniques.	Functional project artifacts addressing realistic domain scenarios.
Final Production Capstone	End-to-End Cloud AI implementation, quality review, and delivery.	Complete capstone submission with technical walkthrough review.
Technical Mock Viva	Technical reasoning, troubleshooting approaches, and communication.	Successfully defending project decisions in structured mock panels.

RESUME, GITHUB & LINKEDIN

Evidence-based resume writing and professional project presentation.

- Modular GitHub repository per project with setup steps, dependencies, and clean commits.
- Detailed Cloud diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Python setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Cloud AI tools and technical outcomes.
- Structured practice for technical AI interview pitches, walkthroughs, and viva defense.

OUR STUDENT

Meet the learners who turned their goals into successful careers through dedication, skill, and continuous growth.

READ REVIEWS

MS. SNEHA
Placed at Wipro (9.5 LPA)

"The practical lab sessions gave me the confidence to transition into enterprise roles. Working on real-world datasets helped me clear technical interviews effortlessly!"
Course Completed : Cloud AI Infrastructure Specialist ★★★★★

MR. HARSHIT
Placed at Accenture (11.2 LPA)

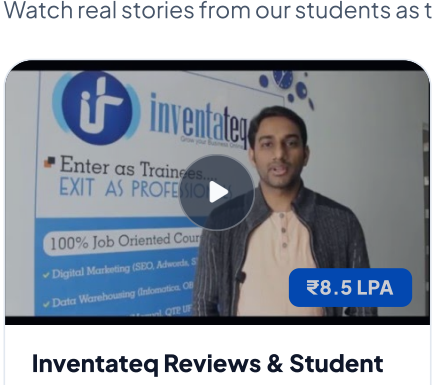
"Inventateq's focus on industry capstone projects and mock interviews was game-changing. The trainers guided me through every real-world implementation hurdle."
Course Completed : Cloud AI Infrastructure Specialist ★★★★★

MR. KARTHIK
Placed at Capgemini (10.5 LPA)

"Moving from beginner theory to hands-on enterprise tools was seamless. The portfolio defense preparation helped me crack my MNC placement round!"
Course Completed : Cloud AI Infrastructure Specialist ★★★★★

WATCH VIDEOS

Real stories from our students as they talk about their journey, growth, and placement success.



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Course Video • Student Feedback
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₹6.8 LPA

Free Interview Skills Development Classes for Freshers & College Students
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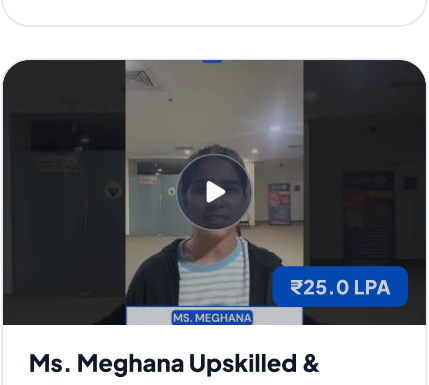
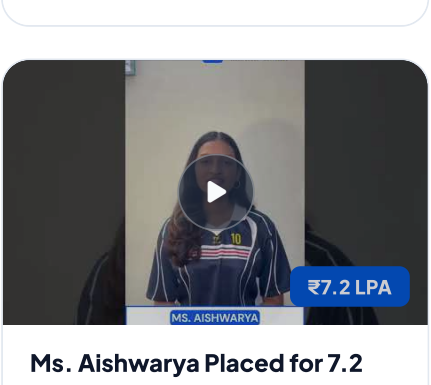


Ms. Meghana Upskilled & Placed at 25 LPA
Top Offer • Enterprise Consultant
Watch Story



Ms. Aishwarya Placed for 7.2 LPA Package
Verified Offer • Software Dev
Watch Story

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