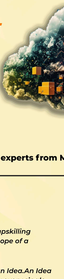
LEARN FLU
Upskilling the youth to your success

Empower Excel Elevate



10 Weeks Program in
CLOUD COMPUTING
Integrated with Top experts from MNCs

ABOUT COMPANY

An idea of learning and upskilling every single day for the hope of a better tomorrow.

LearnFlu is nothing but an Idea.An Idea of learning and upskilling every single day for the hope of a better tomorrow. LearnFlu is also a disease, which every being alive wishes to have. A disease of learning something new and interesting for the growth they desire

SUCCESS

- 08 PLACEMENT ASSISTANCE
- 07 CARRIER GUIDEDNESS PROGRAM
- 06 RESUME BUILDING
- 05 2 WEEKS PROJECTS
- 04 8 WEEKS TRAINING
- 03 LMS ACCOUNT ACTIVATION
- 02 REGISTRATION
- 01

WE OFFER

PROGRAM STRUCTURE

- **ELIGIBILITY** — BACHELOR'S DEGREE WELCOMED TO PURSUE YOUR DESIRED PROGRAM
- **TRAINING** — 8 WEEKS TRAINING WITH 2 WEEKS PROJECTS
- **PROJECTS** — 2 WEEKS PROJECTS WITH 24 HOURS OF MENTORSHIP
- **POST TRAINING** — CAREER GUIDEDNESS PROGRAM, RESUME BUILDING, PLACEMENT ASSISTANCE
- **SNG-GOV** — *Exclusively SUPPORTING POC IN PROVIDING OPPORTUNITIES / SERVICES TO THE SNG-GOV PROVINCIAL GROUP*

PROGRAM HIGHLIGHTS

WHY THIS PROGRAM IS YOUR BEST CHOICE

- LIVE INTERACTIVE SESSIONS WITH INDUSTRY EXPERTS
- REVISITED CURRICULUM EXPERT BASED REAL WORLD TEAM PROJECTS
- LIVE MENTORSHIP
- PERSONALIZED MENTORSHIP AND CAREER GUIDANCE
- CAREER ASSISTANCE
- DOUBLE CERTIFICATION & EXPERT REPORT
- PLACEMENT ASSISTANCE

COURSE CURRICULUM

BASIC — INTERMEDIATE — ADVANCE — PROJECTS

Certification Summary → **Total Modules 8 + Total Chapters 24 + Total Hours 36 hours**

This curriculum covers the essential aspects of cloud computing, integrating Python programming and SQL to develop comprehensive skills, ensuring a well-rounded educational experience. Each module is designed to build knowledge progressively, preparing students for practical applications in the cloud domain.

Module 1: Fundamentals of Cloud Computing

Chapter 1: Introduction to Cloud Computing
- Definition and key characteristics
- Overview of AWS, Azure, GCP
- Deployment models: Public, Private, Hybrid, Community

Chapter 2: Cloud Architecture Basics
- Components of cloud architecture
- Characteristics: Elasticity, scalability, reliability
- Overview of IaaS, PaaS, SaaS

Chapter 3: Cloud Benefits and Challenges
- Advantages of cloud computing
- Challenges: Security, compliance, costs
- Cost management in cloud environments

Module 2: Introduction to Python for Cloud

Chapter 1: Python Basics
- Overview of Python programming language
- Setting up Python environment for cloud
- Functions and modules in Python

Chapter 2: Object-Oriented Programming (OOP) in Python
- Principles of OOP: Encapsulation, inheritance, polymorphism
- Implementation and examples
- Designing OOP solutions for cloud applications

Chapter 3: Working with Cloud SDKs in Python
- Introduction to cloud SDKs (e.g., Boto3 for AWS)
- Automating cloud resource management
- Writing scripts for cloud resource management

Module 3: Cloud Deployment Models

Chapter 1: Understanding Deployment Models
- Detailed overview of Public, Private, and Hybrid clouds
- Advantages and disadvantages of each
- Choosing the right model for your organization

Chapter 2: Deployment Strategies
- IaS and SaaS vs. Multitenancy
- Blue-Green deployment and Canary Release
- Implementing these strategies in AWS, Azure, GCP

Chapter 3: Case Studies in Cloud Deployment
- Successful deployment case studies
- Lessons learned from deployment challenges
- Best practices for cloud migration

Module 4: Optimization Principles in Cloud Computing

Chapter 1: Performance Optimization
- Monitoring performance in cloud applications
- Tools and techniques for optimization
- Caching mechanisms for improved performance

Chapter 2: Cost Optimization
- Strategies for reducing cloud resource usage
- Rightsizing instances and using spot instances
- Cost management tools and practices

Chapter 3: Resource Optimization
- Optimizing storage, compute, and networking resources
- Auto-scaling and load balancing for efficiency
- Using serverless architectures for cost-effectiveness

Module 5: Fault Tolerance in Cloud Systems

Chapter 1: Introduction to Fault Tolerance
- Understanding fault tolerance and high availability
- Types of failures in cloud environments
- Key principles of designing fault-tolerant systems

Chapter 2: Implementing Fault Tolerance
- Redundancy and replication strategies
- Data replication and backup strategies
- Testing and validation of fault tolerance designs

Chapter 3: Case Studies in Fault Tolerance
- Case studies of successful fault tolerance in cloud applications
- Lessons from outages and recovery efforts
- Designing resilient architectures

Module 6: Exception Handling in Cloud Applications

Chapter 1: Basics of Exception Handling in Python
- Understanding exceptions and errors
- try, except, finally blocks in Python
- Custom exception classes and hierarchies

Chapter 2: Exception Handling in Cloud Environments
- Handling exceptions in cloud APIs
- Logging and monitoring exceptions
- Integrating with cloud monitoring systems

Chapter 3: Real-world Examples
- Case studies on effective exception handling
- Best practices for maintaining application reliability
- Tools and libraries for improved error management

Module 7: Security in Cloud Computing

Chapter 1: Cloud Security Fundamentals
- Shared responsibility model
- Key security principles: Confidentiality, Integrity, availability
- Identity and access management (IAM)

Chapter 2: Data Protection Strategies
- Encryption at rest and in transit
- Securing data at rest and in transit
- Compliance considerations (GDPR, HIPAA)

Chapter 3: Incident Response in the Cloud
- Developing an incident response plan
- Detection, response, and recovery strategies
- Case studies on cloud security incidents

Module 8: DOPs Concepts in Cloud Computing

Chapter 1: Introduction to OOP Principles
- Overview of OOP Concepts
- Definition of OOP: Classes, Objects, and Methods
- Key principles: Encapsulation, Inheritance, Polymorphism, and Abstraction
- Benefits of OOP in Cloud Development
- Code reusability and modularity

Chapter 2: Designing Cloud-Native Applications with OOP
- Applying OOP in Cloud Architecture
- Designing scalable cloud applications using OOP principles
- Using classes to represent cloud resources (e.g., virtual machines, storage)
- Implementation examples
- Managing dependencies with OOP principles for better service isolation

Chapter 3: OOP Best Practices for Cloud Development
- Best Practices in OOP for Cloud Applications
- Design patterns in OOP for cloud systems
- Principles of SOLID design in cloud environments
- Error handling and Exception Management
- Ensuring security and compliance with OOP
- Case study on error management in cloud applications

Module 7: Security in Cloud Computing

Chapter 1: Cloud Security Fundamentals
- Shared responsibility model
- Key security principles: Confidentiality, Integrity, availability
- Identity and access management (IAM)

Chapter 2: Data Protection Strategies
- Encryption at rest and in transit
- Securing data at rest and in transit
- Compliance considerations (GDPR, HIPAA)

Chapter 3: Incident Response in the Cloud
- Developing an incident response plan
- Detection, response, and recovery strategies
- Case studies on cloud security incidents

2 Weeks Major Projects

Jobs You Can Apply

- Cloud Engineer, ₹8–25 LPA
- Cloud Solutions Architect , ₹15–40 LPA
- DevOps Engineer (Cloud Focused) , ₹10–30 LPA
- Cloud Security Engineer , ₹12–35 LPA
- Site Reliability Engineer (SRE) , ₹12–35 LPA
- Cloud Data Engineer , ₹10–28 LPA.

Projects

- Multi-Tier Web App Deployment on AWS/GCP
- Serverless Blog or E-Commerce Site (Using AWS Lambda or Firebase)
- CI/CD Pipeline with Docker, Jenkins, and Kubernetes.

TOOL BOX

Informatica, DNS, Python, SQL

MEET YOUR MENTOR

Shrijith
Company : TCS
Experience : 5+ years

Shrijith is a seasoned mentor with an impressive 7+ years of experience in TCS and a notable presence in more than 2 multinational corporations. Specializing in the field of cloud computing, Shrijith has contributed his expertise to the successful completion of 20+ projects, with a remarkable individual accomplishment of leading over 2 projects. Beyond technical excellence, he is recognized for his strong leadership qualities. Shrijith's commitment to knowledge transfer is evident through his role in training employees across different companies, further solidifying his reputation as a mentor who not only delivers outstanding results but also nurtures and develops talent within the data engineering domain.

PLACEMENT SERVICES

REACH YOUR DREAM JOB :

AT LEARNFLU, WE ARE DEEPLY COMMITTED TO YOUR LEARNING JOURNEY AND ENSURING YOU ACHIEVE YOUR DREAM JOB. OUR COMPREHENSIVE PLACEMENT SERVICES ARE TAILORED TO EQUIP YOU WITH THE SKILLS, CONFIDENCE, AND CONNECTIONS NECESSARY TO SECURE YOUR DREAM TECH JOB.

RESUME PREPARATION :

CRAFT A STANDOUT RESUME WITH EXPERT GUIDANCE TO EFFECTIVELY HIGHLIGHT YOUR SKILLS AND EXPERIENCE, ENSURING YOU CATCH THE ATTENTION OF RECRUITERS.

SOFT SKILL PREPARATION :

ELEVATE YOUR COMMUNICATION, TEAMWORK, AND LEADERSHIP ABILITIES WITH TAILORED TRAINING. OUR EXPERIENCED TRAINERS, DESIGNED TO HELP YOU EXCEL IN AND IMPROVISING, BOTH.

HIRING PARTNERS & CAREER PORTAL :

GAIN ACCESS TO LEADING TECH COMPANIES THROUGH OUR EXTENSIVE NETWORK OF HIRING PARTNERS AND OUR EXCLUSIVE CAREER PORTAL, DEDICATED TO CONNECT YOU WITH YOUR IDEAL JOB OPPORTUNITIES.

MENTORSHIP

GAIN INSIGHTS ON EXPERIENCE THROUGH INTERNSHIPS AND/OR/FIXED PROJECTS, ALIGNING WIN PROJECT CERTIFICATE.

ADDITIONAL SERVICES

Linkedin optimization

Optimizing your LinkedIn profile to showcase your professional online presence and increase your

Career Coach

Career guidance plays a vital role in helping individuals navigate the complex and often challenging world of work.

Career Opportunities

Career opportunities encompass the various pathways and roles available for individuals to pursue their aspirations and the fulfillment of individual potential and aspirations.

Hands-on experience

Hands-on experience refers to the practical application in the context of professional development and education, it plays substantial to level your first job.

Personality Development

Personality development is crucial as it enhances overall personal growth, fosters confidence, and improves interpersonal skills, leading to success in both personal and professional life.

CREDIT VALIDATION REPORT

CERTIFICATE
OF APPRECIATION
PROUDLY PRESENTED TO
Name Surname
This is to certify that Student Name has successfully completed Program Name from 00/00/0000 to 00/00/0000, having scored a total of final credits.
THEORY / SESSION : XX / 60
TUTORIALS : XX / 30
LABORATORY / PRACTICAL : XX / 60
TOTAL CREDITS : XX / 60
Total Credits Obtained : 140
Grades Obtained : A
SIGNATURE

COURSE COMPLETION CERTIFICATE

CERTIFICATE
OF APPRECIATION
PROUDLY PRESENTED TO
Name Surname
This is to certify that Student Name has successfully completed Program Name Course.
During this course, he / she has learned the knowledge & skills to obtained Certificate.
Date
Signature
Learn Flu
www.learnflu.com

INTERNSHIP COMPLETION CERTIFICATE

CERTIFICATE
OF APPRECIATION
PROUDLY PRESENTED TO
Name Surname
This is to certify that Student Name has successfully completed Program Name Course.
During this course, he / she has learned the knowledge & skills to obtained Certificate.
Date
Signature
Learn Flu
www.learnflu.com

STUDENTS REVIEWS

Sravan ★★★★★
Very good learning experience. My mentors are teaching me more technical stuff. I also recommend my friends to do this internship.

Vasavi ★★★★
This is the best internship provider with major projects with best experienced mentors

Sarvani ★★★★★
This is the best internship provider company with 100% job assistance

Raghu Roy ★★★★
This is the best internship provider with major projects with best experienced mentors

Aradhana ★★★★★
I specially appreciate my mentor education and technology, offering a dynamic platform for immersive learning experiences. With innovative tools and engaging courses,I sincerely elevate the educational landscape."

Kashish ★★★★★
Very supportive. My mentors are teaching me more technical stuff. I also recommend my friends to do this internship.

Dinakaran ★★★★
Thank you so much beneficiary for giving this wonderful opportunity and developed my knowledge.

Aju Koshan ★★★★★
I enrolled for web Data Analyst Program for April batch and I am very happy with the course curriculum, the mentors and the mentor Syed Aleem have given very insightful information about this Internship and Training Programme and I am very much excited regarding the program

Priya ★★★★
This is a very good learning platform which offers students training and internship program

OUR ALUMNI WORKS AT

Google, IBM, ABS, Amazon, H&M, Wipro, PayPal, HSBC, SPML, Citi, Jupiter, Deloitte, TCS, Nelta, Meta, Analog Devices, Razorpay, Samsung, Infosys, BharatPe, EY, Accenture, Dunzo, ABB

CONTACT US

Ph. No: +91 93646 97298
Mail Id: support@learnflu.com
Website: www.learnflu.com

FOLLOW US ON

T&C No refund Policy