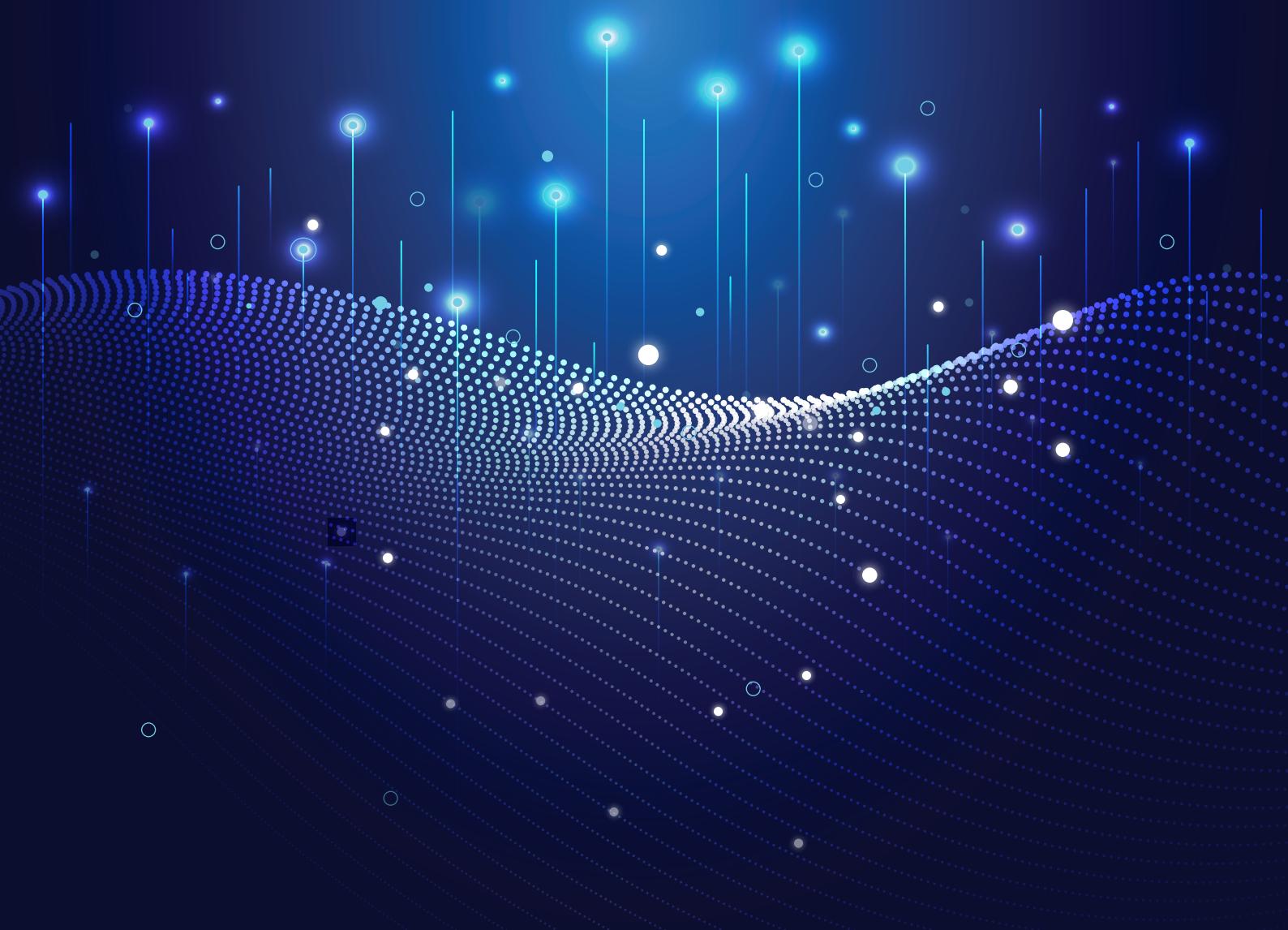




Master Data Science with **Azure**

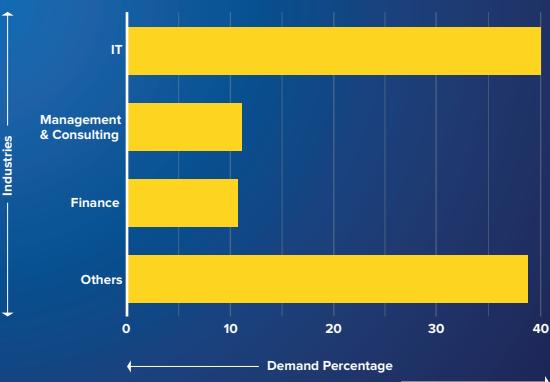
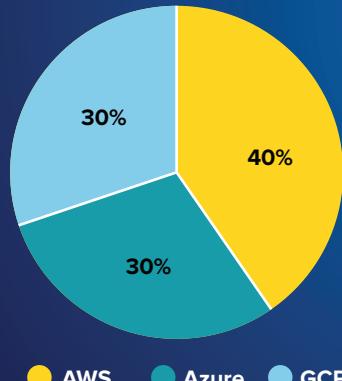
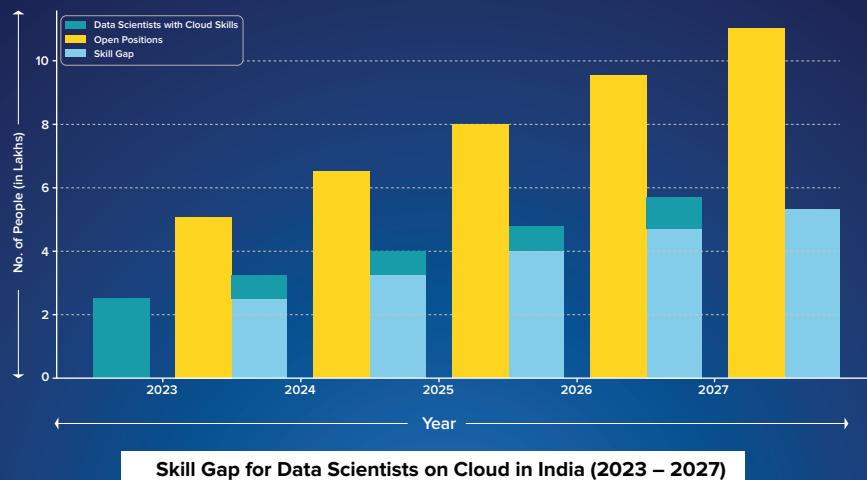
Kickstart a lucrative career in data science
with CloudThat



Industry Trends for Data Science on Cloud

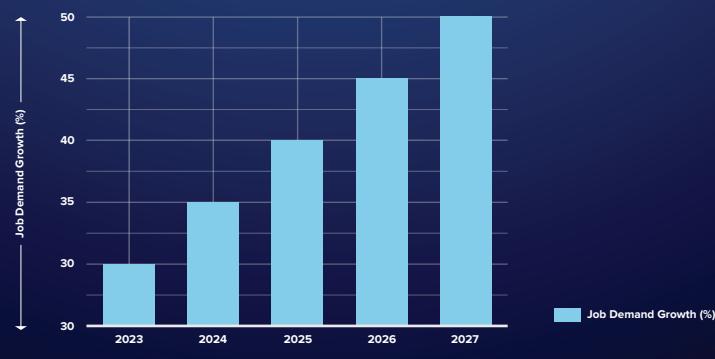
Approximately ₹10-12 lakhs per annum for mid-level professionals.

From ₹4-6 lakhs per annum for entry-level to ₹25-30 lakhs per annum for experienced professionals.



Cloud Platform Usage for Data Science in India

Industry Demand for Data Scientists on Cloud in India



Job Market Growth for Data Scientists on Cloud in India

The Era of Data-Driven Innovation

The world is experiencing a seismic shift toward data-driven decision-making, and the demand for skilled professionals to harness this data is skyrocketing. The global data science and machine learning (ML) market is set to grow from \$143 billion in 2023 to nearly \$230 billion by 2025—a staggering annual growth rate of over 28%. Behind this growth lies a universal need for AI-driven solutions to revolutionize industries and redefine possibilities.

From predictive analytics and natural language processing (NLP) to automation, organizations are using ML to streamline operations and deliver exceptional customer experiences. Key sectors like finance, healthcare, and retail are leading the charge - whether it's using ML algorithms to detect diseases early, optimize inventory in real-time, or create hyper-personalized marketing campaigns.

This explosion in opportunity has created an urgent demand for skilled professionals. By 2026, an estimated 11.5 million job openings in data science and analytics will need to be filled worldwide. For aspiring data scientists, business analysts, developers, and engineers, mastering cutting-edge tools on cloud platforms like Azure and AWS is no longer optional—it's your gateway to shaping the future and securing a career in one of the world's fastest-growing fields. Are you ready to join the data revolution?



About the PROGRAM

Our Data Science Program with Azure is a comprehensive training course designed for aspiring data scientists, business analysts, software engineers, and data engineers. This program equips participants with the skills to leverage cloud platforms like AWS and Azure-to solve complex, data-driven challenges using the latest in AI and machine learning tools.



You will learn to design and deploy AI solutions using Azure Machine Learning, MLflow, and Azure Cognitive Services. The program covers essential concepts such as natural language processing, computer vision, and deep learning techniques, empowering you to develop, manage, and scale intelligent applications

Through practical labs and real-world projects, learners will be ready to develop AI-driven applications, positioning themselves as competitive candidates for cloud-based AI and machine learning jobs in top companies



Key Highlights

01 Sessions by Certified Industry Experts

Our Data Science Program with Azure is a comprehensive training course designed for aspiring data scientists, business analysts, software engineers, and data engineers. This program equips participants with the skills to leverage cloud platforms like AWS and Azure to solve complex, data-driven challenges using the latest in AI and machine learning tools.

02 End-to-End Hands-on Sessions

Master every stage of data science and AI projects through guided, immersive learning. From data preparation to model deployment, you'll gain practical skills that translate directly to workplace scenarios.

03 Placement Assistance

Get tailored support in building an impressive resume and navigating job applications with ease. Our career experts provide one-on-one mentorship, mock interviews, and job referrals to help you secure the role you aspire to.

04 Official Learning Materials

Access high-quality resources straight from Azure, ensuring you stay aligned with the latest tools and technologies. These materials prepare you for both practical applications and certifications.

05 Exam Readiness Sessions

Gain confidence for certification exams with expert-led reviews, practice tests, and proven strategies to maximize your performance and achieve professional milestones.

06 LMS Support

Leverage 24/7 access to our robust Learning Management System, featuring video lectures, assignments, and resources to reinforce learning at your own pace.

Capstone Project

Learn to Build A Generative AI-Powered Platform for Multimedia Content Creation

This exclusive capstone project is the ultimate showcase of your skills, blending generative AI with the power of Azure. You'll build a state-of-the-art platform capable of creating text, images, and audio using advanced cloud-based AI tools. Designed to solve real-world challenges, this project provides hands-on experience in designing, implementing, and optimizing AI-driven solutions.

What You'll Gain?



Master Generative AI

Gain expertise in using AI models to create high-quality multimedia content tailored to various applications.



Cloud Integration Proficiency

Learn to leverage the scalability, reliability, and integration features of Azure for seamless AI operations.



Streamline Workflows

Understand how to optimize creative processes using AI tools for automation and efficiency.



Real-World Problem Solving

Develop solutions that address industry needs, showcasing your ability to deliver impactful outcomes.



Portfolio Showcase

Present a polished, real-world project that highlights your ability to design and deploy innovative AI solutions.

By completing this capstone, you'll walk away with not just knowledge but a tangible proof of your capabilities - an invaluable asset in your career journey.

Tools and Technologies

TOOLS



Excel



Microsoft®
SQL Server®



Azure Machine Learning



Azure Cognitive Services



OpenAI

TECHNOLOGIES



Azure

Eligibility Criteria



Graduation with
minimum 50%



Working experience
of minimum 1 year



Basic IT knowledge
is mandatory



Scoring a minimum of
60% in eligibility tests

Enrollment Process

- Fill the Enrollment Application
- Clear Eligibility Test and Interview(Pending)
- Sign the Program Offer Letter & clear the Payment
- Start the Program with the upcoming batch of your choice

About CloudThat

Established in 2012, CloudThat is a leading provider of Cloud Training and Cloud Consulting services across India, the USA, Asia, Europe, and Africa. As a pioneer in the Cloud domain, CloudThat has extensive expertise in catering to mid-market and enterprise clients across all major Cloud service providers, including AWS, Microsoft, GCP, Databricks, HP, and more. Uniquely positioned as a single source for both training and consulting in cloud technologies such as Cloud Migration, Data Platforms, DevOps, IoT, and cutting-edge fields like AI/ML, it is a top-tier partner with AWS and Microsoft.

Over the years, CloudThat has won more than nine prestigious awards, including the AWS Training Partner of the Year 2023 and the Microsoft Training Partner of the Year 2024 for Asia and India. Solidifying its position as a leader in the market, CloudThat has trained over 750,000 professionals across 600+ cloud certifications and delivered more than 350 consulting projects for 100+ corporates in 30+ countries.



Job Prospects

Learning with CloudThat opens up exciting career opportunities in high-demand domains like cloud computing, AI/ML, DevOps, and cybersecurity. Our programs are designed to help you secure roles in top-tier companies such as AWS, Microsoft, Google, Infosys, and Deloitte, with globally recognized certifications that enhance your employability. Professionals with cloud certifications can earn starting salaries ranging from ₹6–12 LPA, with experienced roles like Cloud Architects and DevOps Engineers commanding packages upwards of ₹25 LPA. By equipping you with cutting-edge skills and industry insights, CloudThat ensures you're well-prepared to accelerate your career growth and achieve long-term success.

Our Alumni Work at

Our distinguished alumni are making their mark at leading global organizations, including Infosys, Cognizant, DXC Technology, Deloitte, Coca-Cola, and many more. Their success stories reflect the excellence and impact of our programs, empowering professionals to thrive in top-tier companies worldwide.



Program Fee

₹1,50,000 + GST

24 Months EMI starting from ₹4,999

1 Shot Payment – 30,000 Discount

3 Easy Installment – 15,0000 Discount

Awards & Recognition



2024 Partner of the Year
Training Services Award



AWS Training Partner of the Year
Winner - APJ 2024





Program Plan or Flow	Topics	High level topics	Total Hrs
Getting Started with Excel & Python for Data Science	Introduction to Mathematics and Statistics	Probability & Applied Statistics Calculus, Optimization & Linear Algebra	16
	Fundamentals of Excel	Exploring Data Preparing Data Analysing Data	8
	Advance Excel	Pivot tables and pivot charts. Conditional formatting. Remove duplicates. XLOOKUP. IFERROR. MATCH. COUNTBLANK.	8
	Fundamentals of Python	Basic syntax and data types in Python Working with variables and operators Using built-in functions and libraries Conditional statements: IF Else	16
	Exploratory Data Analysis using Python	Numpy, Pandas Matplotlib Seaborn Data Acquisition	32
	Industry Expert Session	--	2
	Mock Interviews	--	8
Analytical Proficiency using SQL	Introduction to Database Management System and SQL	Overview of Database Management Systems, Types of DBMS: Hierarchical, Network, Relational, and NoSQL, Database Models and Architecture, Introduction to Structured Query Language (SQL), SQL Syntax and Structure, Data Definition Language (DDL), Creating and Modifying Tables, Data Manipulation Language (DML), Inserting, Updating, and Deleting Data, Data Query Language (DQL): Retrieving Data with SELECT Statements	8
	Data Analysis using SQL	Introduction to SQL for Data Analysis, Understanding Database Schema and Structure Data Retrieval Techniques: ,SELECT Statements Filtering Data: WHERE Clause and Logical Operators Sorting Data: ORDER BY Clause Aggregating Data: GROUP BY and Aggregate Functions Using HAVING for Conditional Aggregation Joining Tables: INNER JOIN, LEFT JOIN, RIGHT JOIN, and FULL OUTER JOIN Subqueries: Nested Queries for Complex Analysis Data Transformation: CASE Statements and Common Table Expressions (CTEs) Time-Series Analysis and Date Functions Window Functions for Advanced Data Analysis Best Practices for Writing Efficient SQL Queries	16

Program Plan or Flow	Topics	High level topics	Total Hrs
Building Data Driven models with ML& AI	Introduction to Machine Learning	<p>Overview of Machine Learning Concepts</p> <p>Types of Machine Learning: Supervised, Unsupervised, and Reinforcement Learning</p> <p>Key Terminology: Algorithms, Models, Features, and Labels</p> <p>The Machine Learning Workflow: Data Collection, Preparation, and Preprocessing</p> <p>Exploratory Data Analysis (EDA) for Machine Learning</p> <p>Feature Engineering and Selection Techniques</p> <p>Training and Testing Datasets: Importance and Best Practices</p> <p>Common Machine Learning Algorithms:</p> <ul style="list-style-type: none"> Linear Regression Logistic Regression Decision Trees Random Forests Support Vector Machines (SVM) K-Nearest Neighbors (KNN) Neural Networks <p>Model Evaluation Metrics: Accuracy, Precision, Recall, F1 Score, and AUC-ROC</p> <p>Overfitting and Underfitting: Understanding Bias-Variance Tradeoff</p> <p>Hyperparameter Tuning and Model Optimization</p>	32
	Introduction to Deep Learning and NLP	<p>Overview of Deep Learning Concepts</p> <p>Key Differences Between Machine Learning and Deep Learning</p> <p>Neural Networks: Structure and Function</p> <p>Activation Functions and Their Importance</p> <p>Training Neural Networks: Backpropagation and Optimization Algorithms</p> <p>Types of Neural Networks:</p> <ul style="list-style-type: none"> Feedforward Neural Networks Convolutional Neural Networks (CNNs) Recurrent Neural Networks (RNNs) Long Short-Term Memory (LSTM) Networks <p>Introduction to Natural Language Processing (NLP)</p> <p>Text Preprocessing Techniques: Tokenization, Lemmatization, and Stemming</p> <p>Feature Extraction Methods: Bag of Words, TF-IDF, and Word Embeddings (Word2Vec, GloVe)</p> <p>Deep Learning Architectures for NLP:</p> <ul style="list-style-type: none"> Sequence-to-Sequence Models Transformer Architecture and Attention Mechanisms <p>Common NLP Tasks: Sentiment Analysis, Named Entity Recognition, and Machine Translation</p> <p>Evaluation Metrics for NLP Models: Precision, Recall, and F1 Score</p> <p>Frameworks and Libraries for Deep Learning and NLP</p>	16



Program Plan or Flow	Topics	High level topics	Total Hrs
Building Data Driven models with ML& AI	Industry Expert Session	--	2
	Mock Interviews	--	8
	Introduction to Generative AI and Open-source Framework	Generative Models, GANs Attention Models Attention Transformers HuggingFace BERT	32
	Data Science at scale using Spark and Data Engineering Essentials	Spark Architecture Spark SQL Spark Core Spark Streaming	16
	Version Control with Git and GitHub	Introduction to Git Introduction to Version Control Git and Github basics Git branching	8
	Capstone Project(GENERIC)	Develop a web application that uses generative AI to synthesize data visualizations and insights from large datasets processed with Apache Spark. By leveraging Git for version control, the project will facilitate collaborative development while ensuring ethical considerations in data usage. The platform will help data scientists and analysts gain deeper insights through innovative data representations.	16
Mastering Data Science-ML-AI on AZURE	AZ 900 (Azure Cloud Fundamentals)	Module 01: Cloud concepts Module 02: Azure architecture and services Module 03: Management and governance	16
	DP 900(Data Fundamentals)	Module 01 : Explore fundamentals of data Module 02 : Explore fundamentals of relational data in Azure Module 03 : Explore fundamentals of non-relational data in Azure Module 04 : Explore fundamentals of data analytics	16
	AI 900 (Azure AI Fundamentals)		16
	Industry Expert Session	--	2



Program Plan or Flow	Topics	High level topics	Total Hrs
Mastering Data Science-ML-AI on AZURE	Mock Interviews	--	8
	DP-100 (Azure Data Scientist) (Certification)	Module 01: Design a machine learning solution Module 02: Explore and configure the Azure Machine Learning workspace Module 03: Experiment with Azure Machine Learning Module 04: Optimize model training with Azure Machine Learning Module 05: Manage and evaluate models in Azure Machine Learning Module 06: Deploy and consume models with Azure Machine Learning	40
	Capstone Project - Azure AI/M	Developing a comprehensive AI solution using Microsoft Azure, covering key areas such as computer vision, natural language processing, and generative AI. It includes designing machine learning models, configuring Azure Machine Learning workspaces, optimizing model training, and deploying models for real-world applications. The project aims to provide hands-on experience with Azure's AI capabilities while ensuring effective management and evaluation of machine learning models.	16
Capstone Project	Content Creation using GenAI on AZURE	Building a generative AI-powered platform on AWS or Azure for creating multimedia content, including text, images, and audio. Using cloud-based AI tools and models, the project will enable automated content generation, streamline creative workflows, and provide users with easy-to-use tools for producing high-quality, custom content. This solution will showcase the capabilities of generative AI in content creation while leveraging the scalability and integration features of cloud platforms.	32
Mock Interviews	--		

THANK YOU



sales@cloudthat.com



www.cloudthat.com



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