



# Certificate in Fundamentals of Azure for Data Science

A five weeks intense program with live hands-on projects.

Designed for specially curated for Data Science aspirants.

## CONTENTS

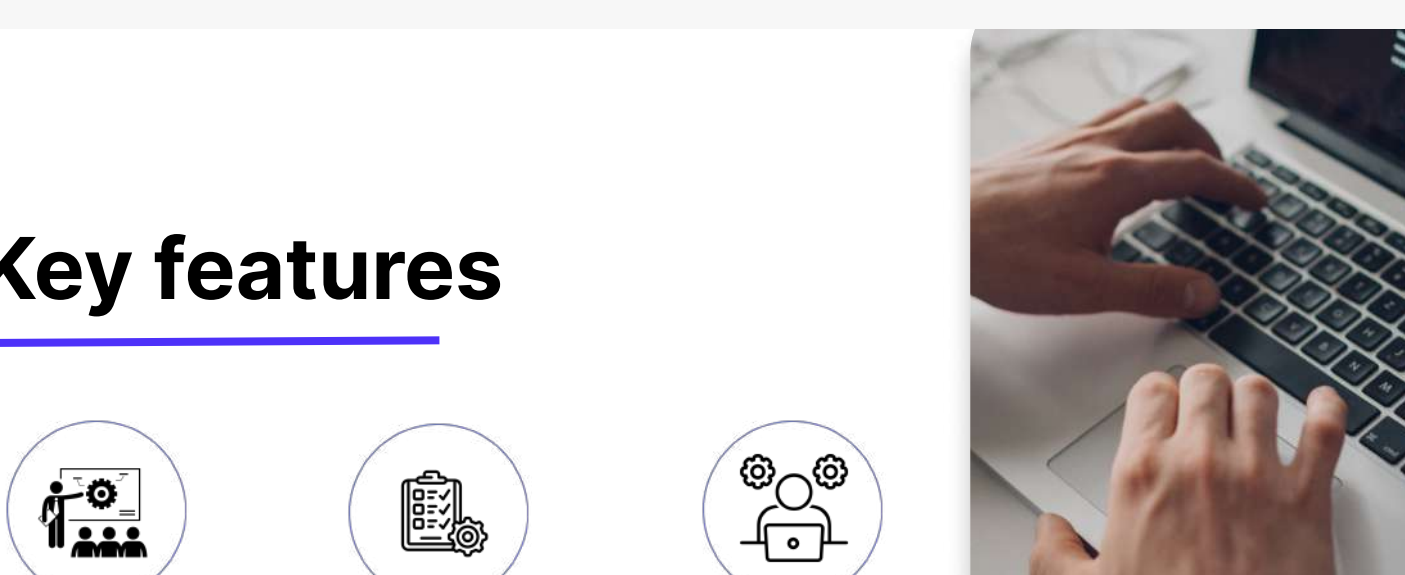
1. About the Course
2. Key Features
3. Who Should join this program
4. Curriculum & Course Segments
  - Introduction to Azure
  - Azure Storage Services
  - Azure Data Factory
  - Azure Databricks
  - Azure Synapse
  - Azure key Vault
  - Azure logic App
  - Project Implementation
5. Certifications
6. Course mentor



## About the course

Data science is a new and a never-ending field which is so vast and pushes an individual to be competent. To be competent in the job market today, it is very much necessary to upskill ourself with new technologies which would create more opportunities for building careers.

Microsoft Azure is one such demanding platform which is contributing in the field of Data Science, it is preferred by lot of companies which helps automating the process of working with the data which could save lot of time of processing. This course would help you gain a hands on every aspect of Azure used in Data Science.



## Key features



15 Hours of instructor led training



2 Capstone Projects



100% Practical Hands-on



In demand skills



Industry recognized Certification

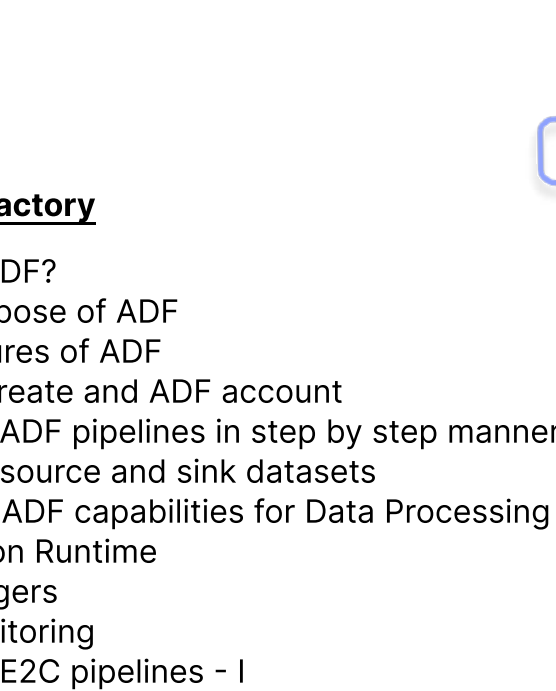


Effective Assignments



## Who should take this program.

- Anyone who wants to learn Data Science & Machine Learning
- Freshers who would want to build their career
- Working professionals who want to make their career transition
- Technical & Non-Technical aspirants who wants to start their career in Data Science.



## Curriculum & course segments

### Week 1

#### Introduction to Azure

- What is Azure Cloud?
- Azure Cloud Architecture
- Components of Azure Cloud
- Key Features of Azure Cloud
- Azure Storage Services
- What is ADLS?
- Create an ADLS account
- Create containers and blobs
- Generate SAS tokens and Access keys

### Week 2

#### Azure Data Factory

- What is ADF?
- Main purpose of ADF
- Key features of ADF
- How to create and ADF account
- Creating ADF pipelines in step by step manner
- Creating source and sink datasets
- Learning ADF capabilities for Data Processing
- Integration Runtime
- ADF Triggers
- ADF monitoring
- Creating E2C pipelines - I
- Creating E2C pipelines - II

### Week 3

#### Azure Databricks

- What is ADB?
- Understanding Hadoop concepts
- Understanding file formats ex. Parquet
- Understanding HIVE Database
- Learning workspace creation
- Overview of ADB workbench
- Establishing connection between Azure Blob and ADB using SAS tokens
- Basics of PySpark session I
- Basics of PySpark session II
- Cluster management
- Establishing connection between Azure Synapse and ADB using SAS tokens
- Pushing data in the Azure Synapse

### Week 4

#### Azure Synapse

- What is Azure Synapse
- How to create Synapse Database
- Overview of Azure Synapse workbench
- Importance of Azure Synapse

#### Azure Key Vault

- What is Azure Key vault
- Understanding key vaults, certification in key vault
- Create and integrate key vault with ADF, ADB and other components

#### Azure Logic App

- What is Azure Logic App?
- How to create logic App account?
- How to create alerts/refreshes in logic apps?
- How to integrate Logic App with ADF?

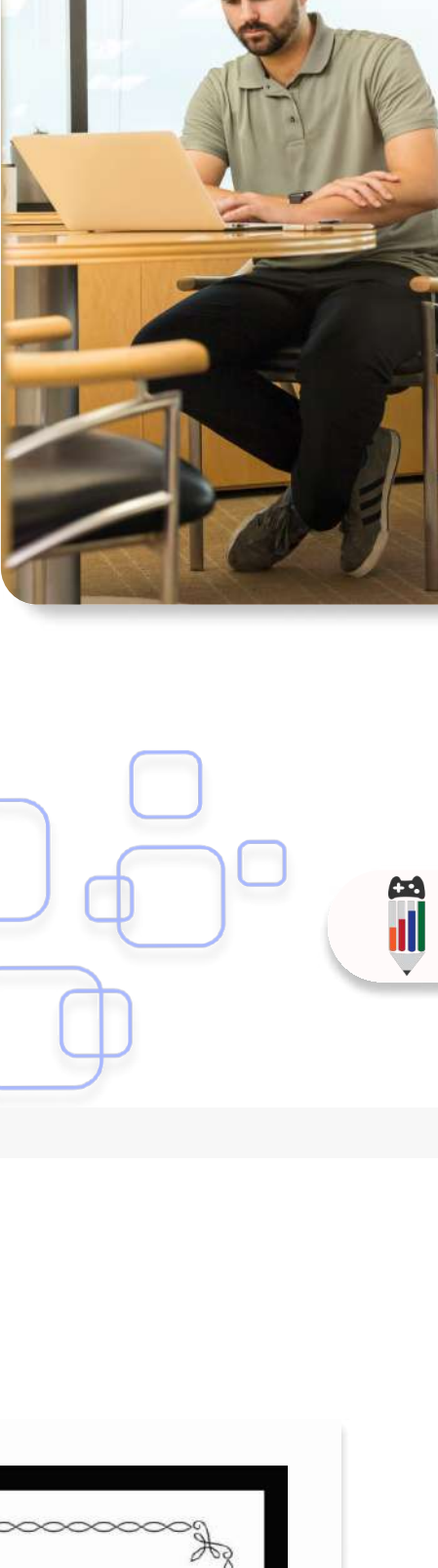
### Week 5

#### Project Implementation

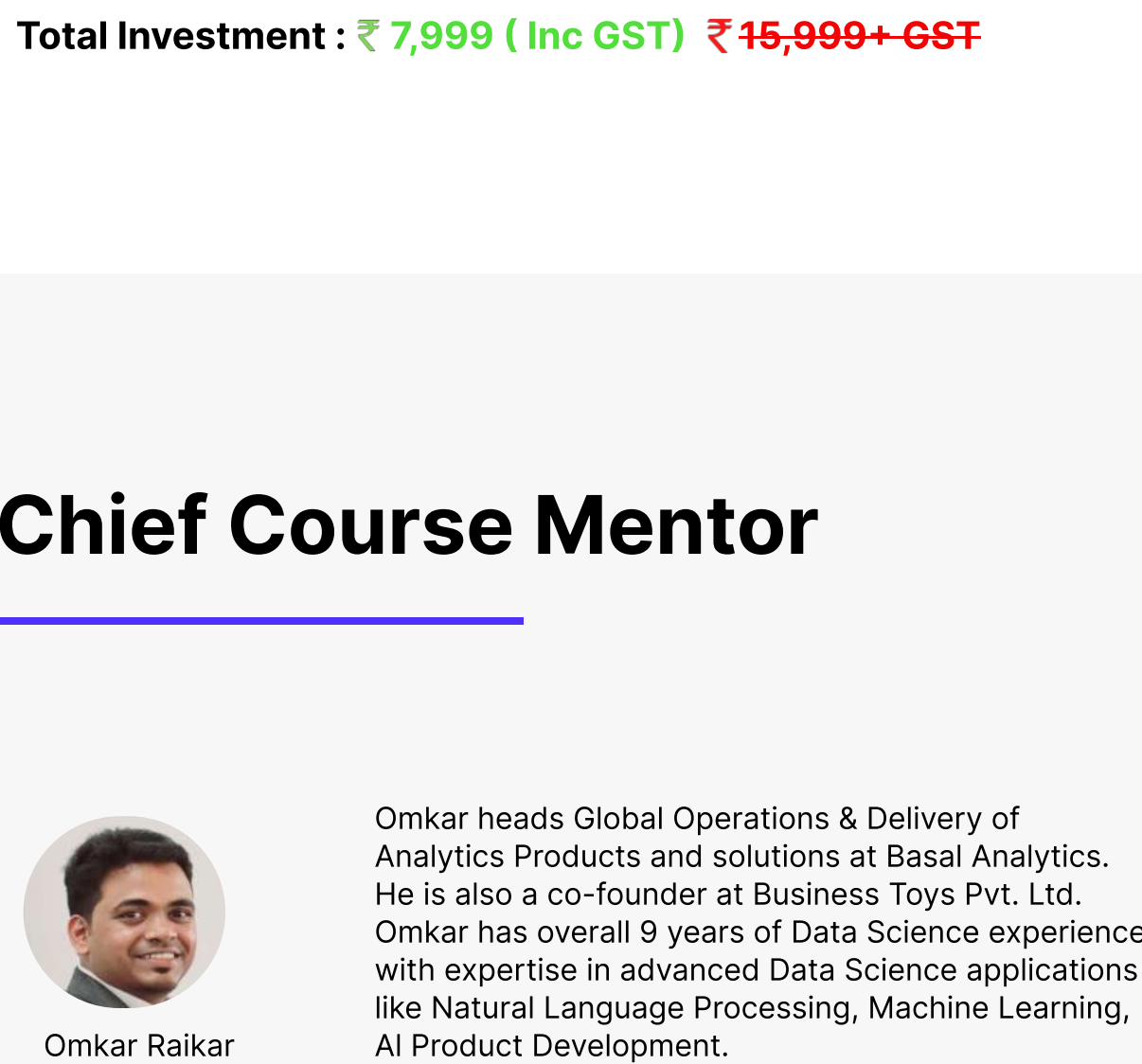
##### Capstone 1 (Classwork):

- Create E2E data ingestions using ADF
- Perform required processing using ADB
- Pushing the preprocessed data in Azure Synapse
- Creating visuals using Power BI
- Altering and Monitoring

##### Capstone 2 (Assignment)



## Certificate



### Fundamentals of Azure for Data Science

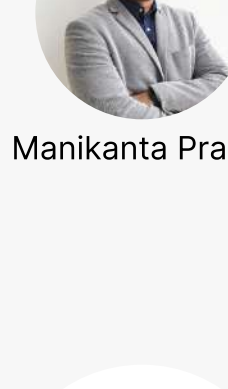
- ✔ Internationally recognized certificates
- ✔ Unique Certificate identification number for authentication
- ✔ Real time validation check through the website
- ✔ Accepted by top multinationals

### Fundamental of Azure for Data Science

Total Investment : ₹ 7,999 ( Inc GST) ₹ 15,999+ GST

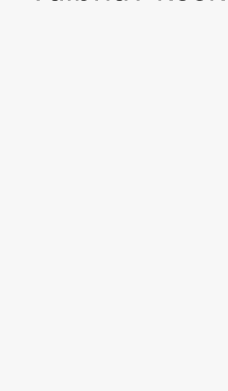


## Chief Course Mentor



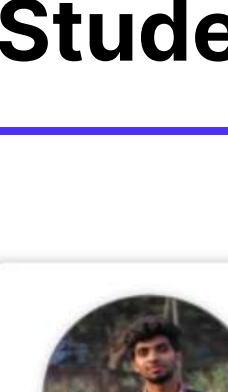
Omkar Raikar

Omkar heads Global Operations & Delivery of Analytics Products and solutions at Basal Analytics. He is also a co-founder at Business Toys Pvt. Ltd. Omkar has overall 9 years of Data Science experience with expertise in advanced Data Science applications like Natural Language Processing, Machine Learning, AI Product Development.



Manikanta Prasad

Mr. Manikanta Prasad is a Vice President at Business Toys Private Limited. He has 5+ years of experience working as a Data Scientist and has mentored 1000+ professionals to make a career transition in Data Science. He is an expert in Decisions Science using data for Businesses across sectors like FMCG, Retail and E-commerce.



Vaibhav keskar

Vaibhav keskar is a Data Scientist professional and mentor having 5+ years of experience working with companies like Capgemini, Accenture etc. His areas of expertise is into Deep Learning, Natural Language Processing and Computer Vision. His passion towards teaching and guiding people is helping many to upskill themselves and make successful career.



## Student Reviews



Aman Singh | Apexon

The way I got trained on especially the programming aspects was unbelievable, as I always had this fear of learning programming languages.



Yashini TK | tact.ai

My experience with the Business Toys team was pleasing while attending Data Science Online Certification Training. This course has benefited me in a number of ways.



Sunil Chaudhary | AN

Throughout the course we were taught using tools like videos, real life cases; industry problems, etc which till date help me at my workplace as well.



Yashini TK | BRIDGE2I

One of the best Data science & AI certifications program. Great trainer and support crew. Along with trainer's they have Industry Experts & mentors to keep motivating and guiding. The place where Learning Celebrated.

