





ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE

WHO WE ARE ?

**APPLIED ARTIFICIAL
INTELLIGENCE COMMUNITY**



AWARENESS



ENGAGEMENT



EMPOWERMENT





ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE



Mesum Raza
Founder Karachi.AI



Ali Raza
BoD – Academia



Noman Khalid
BoD – Corporate

OPS TEAM



Mustafa Ali
Manager Social Media



Haider Ali
Manager Administration



M. Mudassir
Manager Industry Relations



Huzaifa Kamran
Operational Team



Pardeep Kesnani
Operational Team



M. Talha Khan
Operational Team

The Board:

Mesum is the founder Karachi AI and Chief trainer at Lucid Data Analytics, by qualification he is a Oxford Brookes Grad and an ACCA who turned his back on conventional practice and diverted his career along the lines of Analytics, & Data mining. He has specialized in AI & Machine Learning and holds numerous Community Leadership positions in Data Analytics and AI Space.

Noman is the founding partner and chief data architect at Love For Data, a premier data science and decision support consulting company. He specializes in deriving value from organizational data using advanced data science techniques. He is a published researcher, and has a host of certifications on data science analytics.

Ali is electronics engineer by book, software architect and technopreneur by passion, he received masters degree in electronics engineering which involved research focused on machine learning. He is currently working as a CTO at Bitwits Pvt Ltd

CERTIFIED PROGRAMS



[KARACHI AI]

ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE

A COMPLETE SUITE OF COURSES WITH END TO END JOURNEY

Become A Community Member

Participate into our Quarterly onsite / online meetups to get yourself introduced To Data Science & AI Ecosystem

Computer Science Track

Industry Apprenticeship

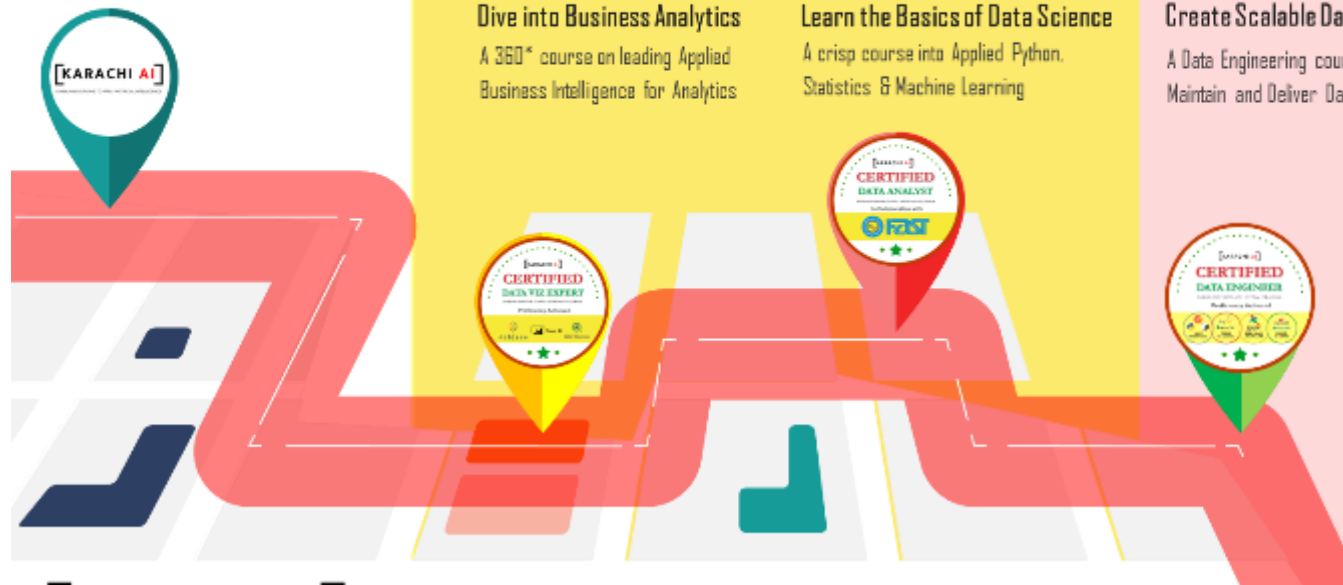
Business Professional Track

Dive into Business Analytics
A 360° course on leading Applied Business Intelligence for Analytics

Learn the Basics of Data Science
A crisp course into Applied Python, Statistics & Machine Learning

Create Scalable Data Pipelines
A Data Engineering course to Create, Maintain and Deliver Data Projects on Cloud

Applied Industry Experience (CPD)
Complete any of the track and gain rigorous industry experience of 3 years



[KARACHI AI]
ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE

For Students & Backgrounds of Marketing, Business Studies, ACCA/CA/CIMA/ICMAP, Actuarial Sciences, Health Care & Bio Sciences, Non-CS Engineering, Social Sciences

For CS, CS Focused Engineering, & Other Backgrounds with 2 Years of Technical roles.

Demonstrable relevance to Data Science, Business Analytics & Machine Learning

Some Nitty Gritty Comparison



ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE

CERTIFIED PROFESSIONAL ACADEMY (CPA)

COMPUTER SCIENCE TRACK

BUSINESS/DOMAIN TRACK



Python Programming



SQL & NoSQL



ML & Statistics



Business Intelligence



Big Data Systems



Cloud Computing



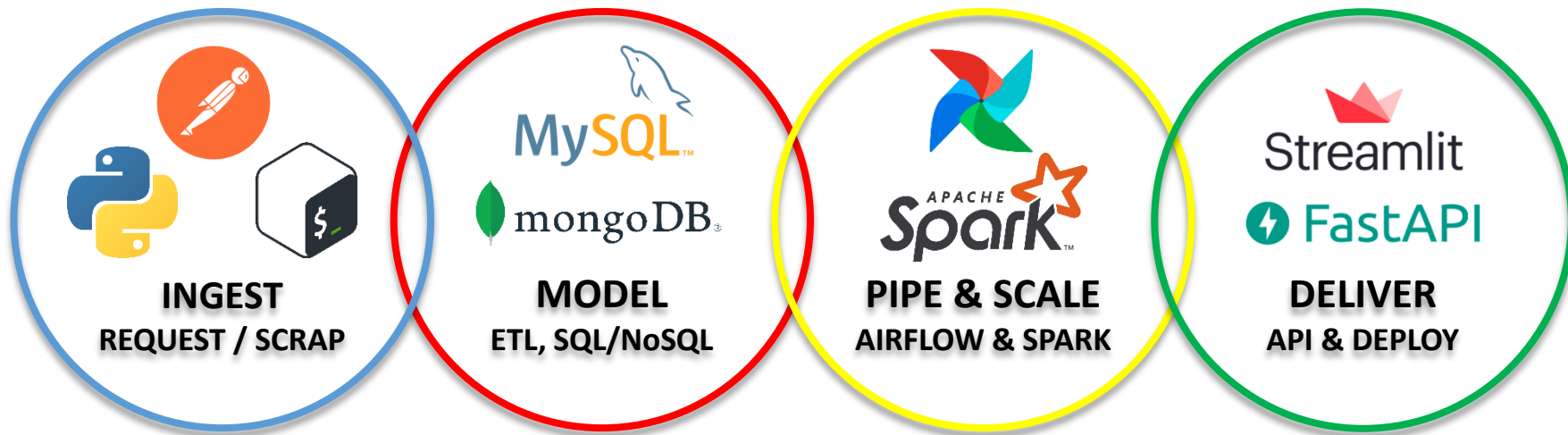
Data Modelling & ETL



[KARACHI AI]

CERTIFIED DATA ENGINEER

ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE



A 3.5 MONTHS COURSE THAT ENABLES YOU TO JUMP-START YOUR CAREER AS DATA ENGINEER



KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : THE IDEA BEHIND

Pre-amble / the Need:

Data engineering skills are the backbone of data analysis and data science. Learning about databases, being able to build data pipelines, and understanding how to optimize systems and algorithms for large volumes of data are all skills that will make working with data easier in any career. Additionally the new Cloud wave has enabled new roles in Cloud to move data across the globe and services.

About / Introduction:

A course that enables you to understand & build scalable data pipelines on premises & cloud. 3.5 months industry accredited certificate program that enables computer science graduates to design a data ingestion, to modelling data warehouse in both SQL and NoSQL flavors & finally deploying end-to-end structures on cloud as APIs & applications. The course also act as a preparatory for any major cloud certifications such as (AZURE, GCP & AWS) certified professional programs.

Impact & Outcome:

The curriculum claims to produce candidates with proficiency in understanding of Data & Databases Ecosystem, ability to source data from various platforms, store and model for both business intelligence and machine learning, automate flows and scale and finally deliver and deploy solutions on cloud. Graduates can join established organizations or startups as Jr. Data Engineer, Data Engineer or ETL / Warehouse developers to serve wide variety of data engineering use cases available across industries.



1 Day of Weekend

For 4 Months

With Multiple Projects





KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : ELIGIBILITY & OUTCOME

Who is this course for?

For Aspiring people who want to become Cloud Practitioners, Data Engineers and Cloud Solution Architects, Data Engineering Managers looking to manage teams.

Only computer science graduates with a working experience of at least two years. Students interested in this program should have already earned a degree in computer science or equivalent with practical experience in programming & development. This program is not intended for business graduates.

What you will learn?

In 16 Weeks, You will be able to take over Modern World Analytics and Structure Data, Design Effective Dashboards and Share compelling Data Stories, with key skills acquired in SQL, Tableau, Power BI and Qlik Sense.

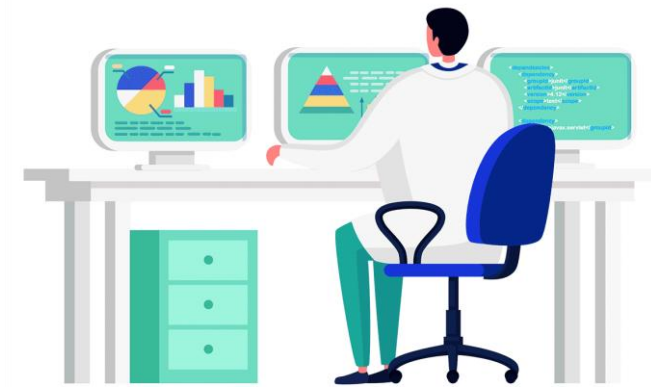
- Learn Advance Python with Data Acquisition techniques via APIs, Scrapping and Cloud Services.
- Master SQL & NoSQL Eco-system and understand the Practical Datawarehousing schemes in Production.
- Orchestrate Data with Airflow and Learn to Scale Operations with Big Data Apache Spark.
- Develop and Deploy E2E POCs, Solutions, and Applications in Python in Cloud.
- Understand the Cloud revolution with a Multi Cloud Crash Course on Azure, AWS & GCP.
- Jobs & Internships to apply for Manager Analytics, BI Analyst & Developer roles at one of our 25+ Apprentice Partner Companies.



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KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : COURSE JOURNEY

Data Acquisition & Dump

You will learn the critical skills around Data Gathering Techniques (APIs, Cloud)



Data Storage & Modelling

Understand the various storage options and SQL / NoSQL stores.



Data Orchestration

Seek scalable methods to make processes repeatable and scalable



Delivery & Cloud

Demonstrate Solutions and Utilize the power of Cloud for Data Engineering Tasks



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For 4 Months

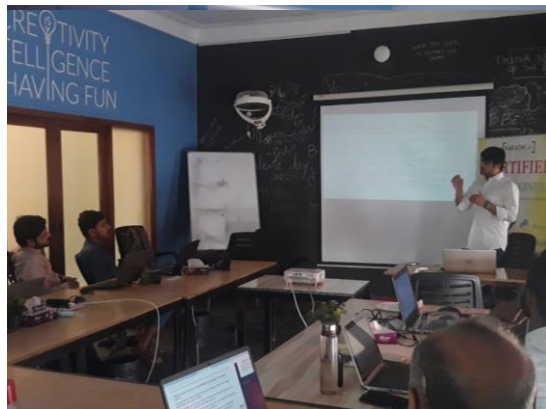
With Multiple Projects





KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : ESSENTIAL INFO



1. Duration & Timings

3.5 MONTHS ON EVERY SATURDAY FROM 2 PM - 8 PM

2. Mode & Venue

ON-SITE CLASSES HELD AT SANDBOX, MAQBOOLABAD, SHAHRA E FAISAL ROAD, KARACHI.



3. Accreditation / Collaboration

ALL GRADUATES WILL BE ENDORSED & RECOGNIZED OFFICIALLY BY KARACHI AI & AWS COMMUNITY BUILDERS



4. Graduation

ALL GRADUATES WILL RECEIVE A CEREMONY, PHYSICAL CERTIFICATE, AND ONLINE VERIFIABLE BADGE



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KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : OUTLINE

Data Acquisition & Orchestration:

1. Essential Python & Git for Data Engineering
-- Best Practices and Learnings
2. Data Acquisition with APIs & Writing Scrappers
-- Hands-On on Case Study
3. Linux / Bash Scripting & Windows Schedulers
-- Class Assessment Tasks
4. Cloud Data Sources and Intro to Data Processing
5. Introduction to Apache Airflow
-- Live Practical Demonstration



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PROGRAM BROCHURE : OUTLINE

Data Transformation & Storage:

1. Intermediate to Advance Analytical SQL Concepts

-- Case Study Practice

2. Data Modelling & PLSQL ETL for Data Engineers

-- Intermediate Assessment

3. Designing a Data warehouse from Scratch

-- Class Participation Activity

4. Introduction to NoSQL Ecosystem & MongoDB

-- Milestone Project Assessment

5. Introduction to Big Data Ecosystem : Hadoop & Apache Spark



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PROGRAM BROCHURE : OUTLINE

Data Delivery, Deployment & Cloud Skills:

1. Deploying Rapid Prototypes with Streamlit

2. Delivering API Endpoints with FAST API

-- Class Practice and Assessment

1. Data Engineering on Google Cloud Platform (GCP)

-- Case Study 2

2. Data Engineering on Amazon Web Services (AWS)

-- Case Study 3

3. Data Engineering on Microsoft Cloud (AZURE)

-- Case Study 4



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KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : INSTRUCTOR PROFILE



Awais is Senior Data Alchemist at MarketLytics, and working in this field for the past 3 years. He is passionate about data acquisition, analytics, and deployment across different platforms.



Hamza is a Data Scientist with over 5 years of experience in building data-driven solutions. He worked as a recommendation systems engineer at Daraz and now serving at KeepTruckin as a ML Engineer.



Arsalan is a Cloud enthusiast and has a core experience around Google Cloud Platform specially in Data Engineering. Working as an Senior Consultant at Systems limited, he loves designing cloud services architectures on GCP.



Zain has more than a decade of experience in Software development and he serving as Cloud Architect for AWS at Speridian Technologies. He is an AWS Certified Developer Associate.

Hunain is a Microsoft Azure prodigy and has vast experience on MS Azure Cloud platform. He Certified Cloud Practitioner and loves to teach cloud skills. He is currently associate with Royal Cyber.



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[KARACHI AI]

ENABLING EVERYONE TO APPLY ARTIFICIAL INTELLIGENCE

OUR PROUD INDUSTRY APPRENTICE PARTNERS



OUR ACADEMIA PARTNERS



OUR SUPPORT ASSOCIATIONS





KARACHI AI – CERTIFIED DATA ENGINEER

PROGRAM BROCHURE : CLOSURE

For More Details on Registrations:

HEAD ON! : <https://karachidotai.com/certifieddataengineer>

STAY UPDATED!

facebook.com/certifieddataengineer

<https://pk.linkedin.com/showcase/certifieddataengineer>



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**ARE YOU READY FOR THE FUTURE
WITH ARTIFICIAL INTELLIGENCE?**

CONNECT WITH US

LETS COLLABORATE TO BUILD AI ECOSYSTEM



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