

AI-Powered Data Analyst Programme

A thirteen-week path from spreadsheet basics to a portfolio-ready analytics skill set – built around what employers are hiring for right now, with AI copilots woven into the workflow from week one.

13 wks

Mon-Fri sessions

1.5 hrs

per day, live

Live

mentor-led, not recorded

4

capstone tracks to choose from

MARKET SIGNAL 01

Built with AI

AI copilots are woven into the SQL, Python and reporting workflow throughout the programme – not bolted on as a single lecture at the end.

MARKET SIGNAL 02

23-35%

Projected growth in data-centric roles by 2032, with well over ten million new data and analytics positions expected globally by late 2026.

Every batch is taught live and personally by a practising Senior Data Scientist – not pre-recorded video, not a rotating panel of trainers.

Learn directly from someone who has **done** the work



Aravind Reddy Dudipala

Founder, Unicus Learning
Senior Data Scientist & AI/ML
Programme Leader

11 Years Experience

Berkeley Haas ML/AI Instructor

**Imperial College Business School
Instructor**

Hyderabad, India

Aravind founded Unicus Learning and personally leads its training programmes in data analytics, data science, Power BI and agentic AI for working professionals. He brings **11 years of experience** as a Senior Data Scientist and AI/ML Programme Leader, and currently teaches on the **University of California, Berkeley Haas School of Business** Professional Certificate in Machine Learning and Artificial Intelligence, as well as the Data Analytics Professional Certificate at **Imperial College Business School**.

"I don't teach a fixed syllabus. I teach what the market is hiring for right now - and I teach it the way a working analyst actually uses it, not the way a textbook explains it."

That philosophy is the reason this programme's curriculum gets revisited against current hiring data instead of running unchanged year after year - and why AI tools are taught as a working part of the analyst's job, not a bonus module bolted on at the end.

Every batch - up to 50 learners - is taught personally and live, session by session. No handoff to a teaching assistant.

Built for the **market**, not the syllabus

Most data analyst courses are built around a textbook's table of contents. This one is built around what is actually named in current job postings – and updated as that changes.

That is why SQL comes before Python here, why statistics gets its own dedicated module instead of a two-day mention, and why an entire module is dedicated to working alongside AI copilots rather than treating them as a shortcut to avoid.

"Employers increasingly expect analysts to treat AI tools as a working partner – automating the routine 80 percent of the job so more time goes into interpretation, storytelling and decision support."

The result is a course that moves in the order a working analyst actually needs the skills: clean and query the data first, understand it statistically, then visualise, automate and communicate it.

Who this is for

Working professionals looking to move into an analytics role, recent graduates building a portfolio, and anyone in a business, finance or operations function who wants to make decisions backed by data rather than instinct.

WHAT YOU WILL BE ABLE TO DO

- Write **SQL queries** with joins, subqueries and window functions against real databases
- Clean, reshape and analyse datasets in **Python** using pandas
- Build and publish interactive **Power BI dashboards** with proper data models and DAX
- Apply descriptive statistics, probability and hypothesis testing to tell a real pattern from noise
- Use **AI copilots** to speed up querying, scripting and first-draft insight writing
- Present findings to a non-technical audience with a clear recommendation
- Show a completed, end-to-end **capstone project** – chosen from six real-world tracks – in interviews

Thirteen weeks, **seven** phases

01

Foundations

WEEK 1

The analyst's workflow end to end, plus advanced Excel: pivot tables, Power Query and dashboard basics.

Excel

Power Query

OUTCOME Build a clean, professional Excel dashboard from scratch

02

Statistics for analysts

WEEKS 2-3

Descriptive statistics, distributions, probability basics, correlation versus causation, and hypothesis testing – taught applied, against real datasets, not as a theory unit.

Descriptive Stats

Probability

Hypothesis Testing

OUTCOME Tell whether a business result is a real pattern or just noise

03

SQL, in depth

WEEKS 4-6

From SELECT to window functions: joins, subqueries, CTEs and query performance, practised against real multi-table databases rather than toy examples.

SQL

MySQL / PostgreSQL

OUTCOME Pull any answer you need straight from a live database

04

Python for analysis

WEEKS 7-9

Pandas and NumPy for cleaning and reshaping data, exploratory analysis, and enough scripting to automate a recurring report end to end.

Python

pandas

EDA

OUTCOME Automate a recurring report end to end, without doing it by hand

05

Power BI and dashboards

WEEKS 10-11

Data modelling and DAX in depth, dashboard design principles, and publishing to Power BI Service – the tool with the widest job-market reach in India.

Power BI

DAX

Data Modelling

OUTCOME Publish a live, interactive dashboard stakeholders actually use

06

AI-assisted analytics and communication

WEEK 12

Using AI copilots to draft SQL and Python faster and to write first-pass insight summaries, then rebuilding those into a clear, stakeholder-ready recommendation.

AI Copilots

Presentation

OUTCOME Turn AI-drafted analysis into a polished, stakeholder-ready recommendation

07

Capstone project

WEEK 13

One dataset, start to finish, from a choice of six real-world tracks: SQL and Python for cleaning, a published Power BI dashboard, and a final presentation – the centrepiece of your portfolio.

End-to-end project

OUTCOME Walk into interviews with a complete, portfolio-ready project

More **practice** than most programmes ask of you

150

CODING ASSIGNMENTS

20

MODULE-END
ASSIGNMENTS

6

MINI PROJECTS

2

CAPSTONE PROJECTS

CAREER SUPPORT, BUILT IN

One-on-One Mentoring

Direct, personal guidance from your mentor throughout the programme – not a shared help desk.

Mock Interviews

Practice rounds structured around how analyst interviews actually run, with real feedback.

Resume Preparation

A resume built around your actual projects and skills from this programme, not a generic template.

Interview Preparation

Structured practice for both technical and HR rounds, so nothing on interview day is unfamiliar.

+ DSA

+ Aptitude

ADD-ON

Dedicated DSA (Data Structures & Algorithms) and Aptitude sessions are provided as part of interview preparation – useful for learners also targeting broader technical interview rounds.

Nine skills, **one** workflow

SQL

SQL

Joins, CTEs, window functions

PY

Python

pandas, NumPy, EDA

XL

Excel

Pivot tables, Power Query

PBI

Power BI

Data modelling, DAX

STAT

Statistics

Hypothesis testing, probability

AI

AI Copilots

Query and insight drafting

GIT

Git & GitHub (Essentials)

Version control fundamentals

DSA

DSA

Data structures & algorithms for interviews

APT

Aptitude

Quantitative & logical reasoning practice

WHAT YOU WALK AWAY WITH

- A **portfolio-ready capstone project** across SQL, Python and Power BI
- Confidence using **AI copilots** as part of a real analytics workflow
- The ability to explain findings to a non-technical stakeholder
- A skill set matched to **what employers are hiring for right now**

CAPSTONE

Every learner finishes with a complete, presentable project – raw data taken through SQL and Python cleaning to a published Power BI dashboard and a stakeholder-style recommendation. **Six real-world tracks** to choose from, overleaf.

PROGRAMME FORMAT

Live & Mentor-Led

13 weeks – Mon to Fri – 1.5 hrs/day

Enrol now

7013265897 | enquiry@unicuslearning.com
Hyderabad, India | www.unicuslearning.com

A project at **every** milestone

MILESTONE PROJECTS ALONG THE WAY

WEEK 3

Survey insights report

Clean a survey dataset and use hypothesis testing to check a real business assumption.

WEEK 6

Sales database query project

Write multi-table SQL queries against a retail database to answer specific business questions.

WEEK 9

Data cleaning and complete EDA project (Python)

Take a real-world dataset from raw file through cleaning to a complete exploratory data analysis using Python and pandas.

WEEK 11

Interactive sales dashboard

Build and publish a Power BI dashboard with a proper data model and DAX measures.

WEEK 12

AI-assisted insight report

Use an AI copilot to speed up analysis, then rewrite it into a stakeholder-ready recommendation.

CHOOSE YOUR CAPSTONE TRACK - WEEK 13

At Unicus, every learner has **the freedom to choose a capstone project** aligned to their own domain and interests, and **we actively encourage learners to pursue it** – the tracks below are a starting point, not a limit.

TRACK 01

E-commerce sales and customer behaviour

Explain what is really driving revenue and where customers are dropping off.

SQL

Python

Power BI

TRACK 02

Digital payments fraud detection

Analyse transaction patterns to flag anomalous activity and build the case for where fraud checks should tighten.

SQL

Python

Power BI

TRACK 03

Retail inventory and demand planning

Study demand patterns across stores and flag where stock-outs are most likely.

SQL

Python

Power BI

TRACK 04

Marketing campaign ROI

Measure which channels returned the spend and build the case for where budget moves next.

SQL

Python

Power BI

TRACK 05

Hospital readmission risk

Analyse patient visit data to flag high readmission risk and where early intervention helps most.

SQL

Python

Power BI

TRACK 06

Sports performance analytics

Analyse player and match data to surface performance trends that inform team strategy.

SQL

Python

Power BI