

Data Engineering

5-6 weeks · Band B · 125 hours · Live cohort of 20

Most training teaches pipelines that work on clean, once-delivered data. Hiring conversations are almost entirely about what happens when that assumption fails.

PILOT COHORT PRICE

₹9,999

₹6,999

SAVE ₹3,000

Pilot pricing, for the first 20 seats.

WITH PAT-VERIFIED

₹13,499

₹9,499

SAVE ₹4,000

Base plus the ₹2,500 credential add-on.

TO HOLD A SEAT

₹500

Refundable for 7 days, credited toward the base price on enrolment.

The hiring funnel this mirrors

SQL screening, then a pipeline take-home, then a data modelling discussion, then a scale and correctness conversation.

SQL is the first filter and eliminates more candidates than the modelling round does.

The four-project spine

Each project corresponds to one stage of that funnel. Finishing the stream is rehearsal for being hired.

01	Solo 1 THE SCREENING TASK	A batch pipeline to a specified schema with defined data quality checks.	18h
02	Solo 2 THE TAKE-HOME	Source data arrives late, duplicated and sometimes corrected after the fact. Design for it. Correctness under re-delivery is the grade.	28h
03	Pair THE TEAM ROUND	One student owns ingestion, one the serving model, against a shared contract that must be versioned when it changes.	34h
04	Capstone THE FINAL LOOP	Student-proposed pipeline with lineage, quality monitoring and a documented backfill procedure.	45h

Hours are indicative student effort and include the 15-hour DSA layer woven into the projects.

The DSA layer – applied, about 15 hours

Hashing and sorting where a project touches them, plus complexity analysis of the student's own pipeline or analysis code. No timed algorithmic rehearsals – this funnel screens on query and data reasoning, not on puzzles.

A problem is only set when a project touches the structure, never as homework divorced from context. How much this stream carries is decided by what its funnel actually asks for. That load sets the stream's depth, and the depth is what places it in Band B.

How the PAT is marked

Seven dimensions, 100 marks. Weighting is set per stream.

Problem framing	16
Design trade-offs	18
Implementation quality	14
Programming fundamentals	12
Failure analysis	22
Collaboration evidence	8
Defense under questioning	10
Total	100

60 is the pass mark, with no single dimension scoring zero. The same mark applies to every stream.

What the assessor will ask

The defense probes two things at once: the decisions you made, and the programming knowledge underneath them.

- What happens when yesterday's data changes
- How they would detect silent corruption
- What a re-run costs
- SQL and transformation questions from their own pipeline

Questions come from your own project, so there is no question bank to practise against. Saying “I don't know” cleanly scores better than a confident wrong answer.

Before you start

SQL. Python. Full Stack Solo 1 equivalent, or comparable service experience.

How the defense runs

Submit the repository and a short written rationale 48 hours ahead. Walk the assessor through the system, then answer questions. Assessors probe decisions and fundamentals, not syntax recall. Scores and written notes are returned afterwards, and a defense can be retaken once.

What you pay

Foundation ~~₹9,999~~ ₹6,999

Live mentor-led teaching and the four projects.

PAT-Verified Credential ~~+₹3,500~~ +₹2,500

Live defense, mentor recommendation letter, verified portfolio published to a recruiter-visible profile, credential badge.

Career Hub **Free**

Recruiter visibility and job matching. The employer pays, never the student.

Bundled stack ~~₹13,499~~ ₹9,499

Everything above, at pilot pricing.

Apply now – pay ₹500 to hold your seat

20 SEATS · COHORT STARTS SOON · PILOT PRICING ENDS SOON

Deposit refundable within 7 days and credited toward the base price on enrolment.