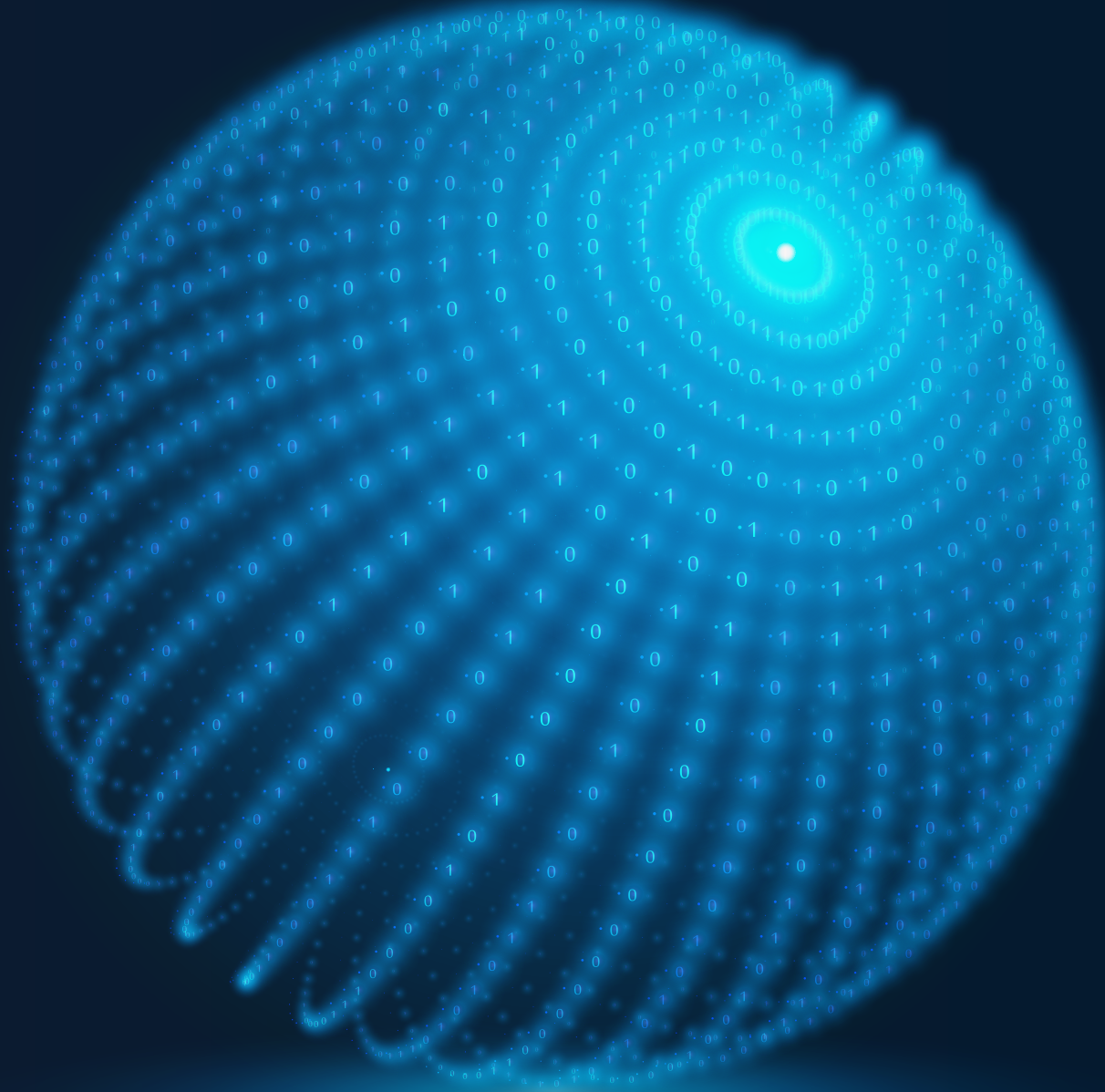


TAUGHT
BY
ENGINEERS



Data Engineering Course

Learn how to turn raw data into useful insights

Introduction

Every company today relies on data — from banks to hospitals to tech startups. But raw data is messy. That's where Data Engineers come in. They build the systems that collect, clean, and organize data so it can be used for apps, reports, and even Artificial Intelligence.

This 6-month course will teach you step by step how to become a job-ready Data Engineer. No advanced math or coding background is required — just curiosity and basic computer skills.

Who is this course for?

- Students and graduates who want to start a career in data.
- Software developers who want to shift into data roles.
- Data analysts or scientists who want to build stronger data skills.
- Anyone who wants to learn how data moves from apps to reports.

Why Learn Data Engineering?

High Demand

Companies need data experts everywhere.

Future-Proof Career

Skilled data engineers earn competitive salaries.

Lucrative Opportunities

What you learn is directly useful in jobs.

Real Impact

Data is growing every day, so these skills last.



Why be taught by us?

Real engineers as trainers – you learn from people who do this daily.

Hands-on projects – you'll build pipelines, not just read slides.

Beginner-friendly – we explain technical tools step by step.

Career support – we guide you on how to land your first data job.

Course Requirements

- A laptop (8GB RAM recommended).
- Basic programming knowledge (Python is a plus).
- Basic SQL (don't worry – we'll teach this too).
- Internet for online sessions.
- A learning mindset – no prior data engineering needed.

Course Outline (Beginner → Intermediate → Advanced)

DURATION: 6 Months

1 Beginner (Oct 21 – Dec 19)

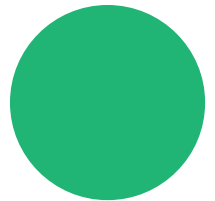
- What Data Engineers do and why it matters.
- Python basics for handling data.
- SQL for storing and retrieving data.
- How to design simple databases.
- Intro to ETL (Extract, Transform, Load – moving and cleaning data).

2 Intermediate (2026 Jan – Feb)

- Handling large data with tools like Apache Spark.
- Automating data tasks with Airflow (a scheduler).
- Building a data warehouse (a central place for company data).
- Using cloud storage (Amazon S3, Google Cloud).
- Ensuring data is clean and reliable.

3 Advanced (2026 Mar – Apr)

- Working with streaming data (real-time events like transactions).
- How companies scale their data systems.
- Data security & privacy basics.
- Monitoring pipelines so they don't break.
- **Final project:** Build your own mini data platform.
- Entrepreneurship, Communication & Soft Skills



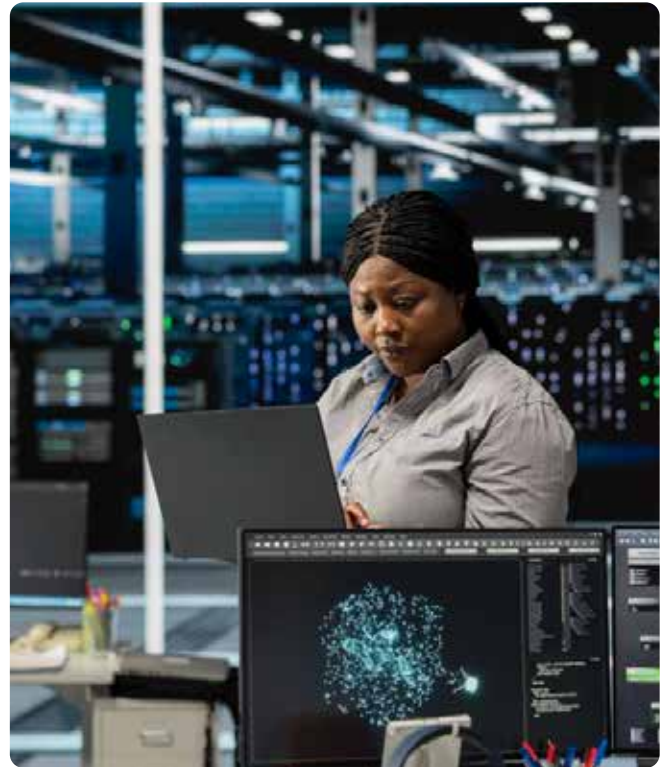
Expected Outcomes

By the end of the course you will be able to:

- Build pipelines that move and clean data.
- Work with both stored and real-time data.
- Understand how cloud data systems work.
- Have a portfolio of projects to show employers.
- Be ready for entry-level Data Engineer roles.

Hands-On Projects (Examples)

- Move data from a CSV file into a database.
- Clean messy data and prepare it for reports.
- Automate a daily data job (with scheduling).
- Create a dashboard that updates automatically.
- **Final capstone:** End-to-end data pipeline like real companies use.



Subscription Plans

**MONTHLY
INSTALLMENTS**

KES 7,500

**TWO MONTHS
INSTALLMENTS**

KES 12,000

**ONE-TIME
PAYMENT**

KES 36,000

PAYMENT DETAILS: MPesa Paybill No: 542 542 Account No: 881 777

Bank: I&M BANK Account Name: MARTIAL JENGA TECHNOLOGIES LTD

Here is What People are Saying About Us

Imani - Dancer & Event Organizer

- Currently a student in our 6-month AI Engineering Bootcamp that started on Sep 15 2025

Click link to watch video: <https://www.instagram.com/reel/DONeb1XjAEP>

Sapron Kamau - Mobile & Laptop Technician

- Currently a student in our 6-month AI Engineering Bootcamp that started on Sep 15 2025

Click link to watch video: <https://www.instagram.com/reel/DOODsmdDP4S/>

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