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ADYAPAN

Adyapan School

Data Engineering



Duration - 2 months

Industry
Certification



Skill India Certified

250+
Partner Companies

From data to decisions Engineer the journey

From pipelines to production - become industry-ready.

This immersive 8-week Data Engineering program takes you beyond theory into real-world data systems. Learn how to build, manage, and scale data pipelines, work with modern data stacks, and integrate cloud technologies through hands-on projects and guided workflows. With a strong focus on practical implementation and industry use-cases, you'll graduate with the ability to design robust data architectures, process large-scale data, and deliver analytics-ready solutions with confidence.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES



ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course — a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders — defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS

Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.

1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

8 weeks. 8 modules. Infinite impact.

WEEK 1

Introduction to Data Engineering

- Role of a Data Engineer
- Data engineering vs data analytics vs data science
- Data life cycle and architecture
- Overview of the modern data stack



WEEK 2

Programming For Data Engineering

- Python Fundamentals for Data Processing
- Working with data structures and files
- Data manipulation using Python libraries
- Introduction to automation scripts



WEEK 3

Databases & SQL

- Relational databases and data modelling
- SQL queries for data extraction and transformation
- Database performance basics
- Introduction to NoSQL Databases



CURRICULUM

8 weeks. 8 modules. Infinite impact.

WEEK 4

ETL & Data Pipelines

- Extract, Transform, Load (ETL) concepts
- Data pipeline architecture
- Work flow orchestration basics
- Building simple ETL pipelines



WEEK 5

Big Data Technologies

- Introduction to big data concepts
- Distributed processing basics
- Overview of Apache Hadoop ecosystem
- Introduction to Apache Spark



WEEK 6

Cloud Data Engineering

- Cloud-based platforms
- Data storage and processing in the cloud
- Introduction to cloud data services
- Building scaled data pipelines



8 weeks. 8 modules. Infinite impact.

WEEK 7

Data Warehousing & Analytics

- Data warehouse concepts
- Schema design (Star & Snow flake schemas)
- Data lake basics
- Preparing data for analytics and BI tools
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WEEK 8

Capstone Project & Deployment

- Building an end-to-end datapipeline
- Integrating databases, ETL and analytics
- Data quality and monitoring
- Resume preparation and interview guidance
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WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Aspiring Software Developers

Non-Tech Learners Entering IT

Tech Entrepreneurs &
Freelancers

Analysts & Consultants

Automation & Scripting
Learners

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Deloitte

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

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