DATAXSCHOOL
START YOUR CAREER

DATAXSCHOOL LEARNING CENTRE

START YOUR CAREER

PROGRAM 02 · AI-ERA ANALYTICS

Advanced Data Analytics Engineer

Turn raw business data into decisions. Sixteen weeks across Excel, SQL, Python, statistics, Power BI, Tableau, dbt and cloud analytics — with Gen AI copilots built into every stage of the workflow.

4 MONTHS · 16 WEEKS | 13 MODULES | LIVE INSTRUCTOR-LED | PLACEMENT SUPPORT

2000+	95%	₹6L–40L	4
LEARNERS TRAINED	PLACEMENT RATIO	SALARY RANGE	CAMPUSES

ISO 9001:2015 CERTIFIED · REGD. GOVT. OF INDIA · ADMISSIONS OPEN 2026

ABOUT DATAXSCHOOL

Where Ambition Meets Industry

DataXSchool Learning Centre is a career-focused institution specialising in data, AI and emerging technologies. Our purpose is to close the gap between classroom learning and the reality of a working tech career.

Every programme is built around hands-on labs, real production-grade systems and 1:1 mentorship from senior engineers actively working in the industry. Learners don't just study concepts — they build, break, debug and ship. That is why our graduates walk into interviews able to talk about systems they have actually run, and why hiring partners keep coming back to our campuses.

Our Mission

Equip students with practical skills and real-world experience so they are fully prepared and positioned for successful careers in the software and AI industry.

Our Vision

To be a leading institution that transforms aspiring learners into successful IT professionals, bridging education and employment through innovative, hands-on training.

Our Values

Excellence, integrity and impact. We foster an inclusive community where learners are pushed to build, ship and solve real problems with confidence.

Features of DataXSchool

- Dedicated Placement Support
- Live Practical Training
- Interview Prep & Mock Interviews
- Small Batch Sizes
- Free Communication Skills Lab
- Weekday & Weekend Batches
- Industry Expert Trainers
- Real-Time AI-Era Projects
- Resume & LinkedIn Profile Building
- 1:1 Career Mentorship
- Free Demo & Trial Classes
- ISO 9001:2015 Certified Institution

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LEARNERS TRAINED	PLACEMENT RATIO	SALARY RANGE	CAMPUSES

PROGRAM OVERVIEW

The Analysts Who Decide the Business

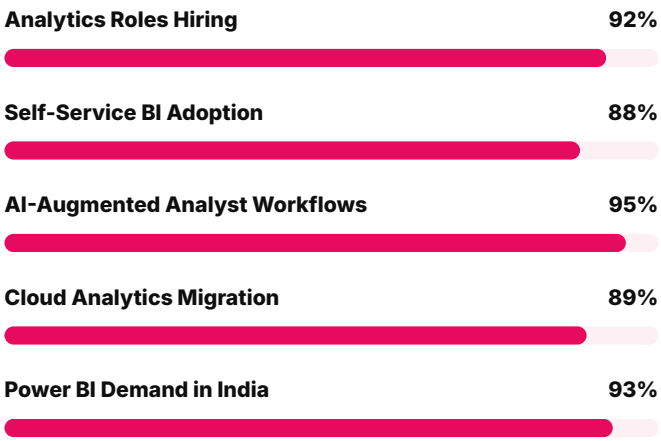
A modern analyst does far more than build reports. They model the data, interrogate it with SQL and Python, test what is actually true, and put the answer in front of decision-makers as a dashboard people trust — now with Gen AI copilots doing the heavy lifting alongside them.

$132B	27% CAGR	₹6L–40L	HIGH
MARKET BY 2030	GLOBAL GROWTH	SALARY RANGE	HIRING DEMAND

What You'll Be Able To Do

- Clean, model and analyse data in Excel and PostgreSQL
- Write production SQL: joins, CTEs and window functions
- Analyse and wrangle data with Pandas, NumPy and Polars
- Apply statistics and run A/B tests that hold up
- Build Power BI and Tableau dashboards businesses use
- Use ChatGPT and Copilot to multiply analyst output

Market Demand Signals



Who This Program Is For

- Freshers & final-year students entering tech
- Working professionals switching into analytics
- Career-break professionals re-entering the industry
- Reporting and MIS executives moving up to analytics
- Business and operations teams who live in spreadsheets
- Commerce, science, engineering or arts graduates
- Marketing, finance and HR professionals going data-led
- Support engineers moving into BI and reporting

Career Roles You Can Pursue

- Data Analyst
- Analytics Engineer
- Business Intelligence Analyst
- Reporting Analyst
- Power BI Developer
- SQL Developer
- AI Data Analyst
- Junior Data Engineer
- Decision Intelligence Analyst
- Advanced Analytics Engineer

16	13	100%	8
WEEKS · 4 MONTHS	MODULES	LIVE INSTRUCTOR-LED	DASHBOARD PROJECTS

YOUR ROADMAP

01 Four Months, One Job Offer

What happens month by month — what you learn, and what you have built by the end of it. Every month closes with something you can show a recruiter.

Month 01
Weeks 1–4

Foundations, Excel & SQL

Analytics Lifecycle · Advanced Excel · Power Query · PostgreSQL · Joins & CTEs · Window Functions

YOU'LL BUILD — A sales dashboard in Excel and a full SQL reporting layer.

Month 02
Weeks 5–8

Python & Statistics

Python · NumPy · Pandas · Polars · EDA · Hypothesis Testing

YOU'LL BUILD — A cleaned dataset, an EDA notebook and a tested business finding.

Month 03
Weeks 9–12

Visualization, Gen AI & Analytics Engineering

Power BI · DAX · Tableau · ChatGPT · Copilot · dbt

YOU'LL BUILD — Interactive Power BI and Tableau dashboards with AI-written insights.

Month 04
Weeks 13–16

Cloud, Projects & Career Preparation

AWS · Athena · BigQuery · Fabric · Git · Mock Interviews

YOU'LL BUILD — A cloud-deployed capstone, a final resume and mock interview rounds.

Finish

Congratulations — You're Placed

Interview-ready with a dashboard portfolio, and in active hiring pipelines with our partner companies.

13 Modules Done · 8 Dashboards Built · 18 Tools Mastered · 95% Placement Ratio

YOUR LEARNING PATH

02 Start to Placement



03 Analytics Foundations, Excel & SQL

MONTH 01 Think Like an Analyst, Then Query Like One

M1 Data Analytics Foundation

WEEK 1

- Introduction to Data Analytics
- Analytics lifecycle
- Descriptive analytics
- Diagnostic analytics
- Predictive analytics
- Prescriptive analytics
- Business problem solving
- Data-driven decision making
- Data governance basics
- Industry use cases

LAB Frame a real business problem and choose the right analytics approach for it.

M2 Advanced Excel for Analytics

WEEK 2

- Excel fundamentals
- Data cleaning
- Conditional formatting
- Data validation
- Advanced formulas
- XLOOKUP
- INDEX & MATCH
- Pivot tables
- Power Query
- Interactive dashboards

LAB An interactive Excel dashboard built from a messy raw sales export.

M3 SQL & Database Engineering

WEEKS 3–4

- Database concepts
- ER diagrams
- PostgreSQL installation
- SQL data types
- DDL commands
- DML commands
- DQL commands
- TCL commands
- DCL commands
- Constraints
- Joins
- Aggregate functions
- String functions
- Date functions
- Window functions
- Common table expressions
- Views
- Materialized views
- Stored procedures
- Functions
- Indexing
- Query optimisation

LAB A PostgreSQL reporting layer with views, window functions and tuned indexes.

04 Python, Data Wrangling & Statistics

MONTH 02 From Spreadsheets to Code

M4 Python Programming

WEEK 5

- Python basics
- Operators
- Functions
- File handling
- Package management
- Variables
- Conditional statements
- Modules
- Object-oriented programming
- Data types
- Loops
- Exception handling
- Virtual environments

LAB A reusable Python script that cleans and validates a monthly data drop.

M5 Python for Data Analytics

WEEKS 6–7

- NumPy
- Data cleaning
- Missing value handling
- Exploratory data analysis
- Pandas
- Data transformation
- GroupBy operations
- Polars
- Data wrangling
- Merge & join

LAB A full EDA notebook: cleaned data, grouped metrics and documented findings.

M6 Statistics for Analytics

WEEK 8

- Descriptive statistics
- Hypothesis testing
- A/B testing
- Probability
- Correlation
- Business statistics
- Sampling
- Regression basics

LAB An A/B test analysed end to end, with a defensible recommendation.

05 Dashboards, Gen AI & Analytics Engineering

MONTH 03 Make It Visible, Make It Fast

M7 Data Visualization — Power BI & Tableau

WEEKS 9–10

- Power BI Desktop
- Power Query
- Measures
- Publishing reports
- Filters
- Data storytelling
- Data import
- DAX fundamentals
- KPIs
- Tableau interface
- Parameters
- Data modeling
- Calculated columns
- Interactive dashboards
- Charts
- Dashboard design

LAB A published Power BI report plus a Tableau story on the same dataset.

M8 Generative AI for Analytics

WEEK 11

- Introduction to Generative AI
- AI-assisted SQL writing
- AI report generation
- Prompt engineering
- AI-assisted Python coding
- AI data interpretation
- ChatGPT for data analysis
- AI-powered dashboard creation
- Microsoft Copilot for Analytics

LAB A weekly business report drafted, checked and explained with AI copilots.

M9 Analytics Engineering

WEEK 12

- ETL concepts
- Star schema
- Data quality
- ELT concepts
- Snowflake schema
- Data validation
- Data warehouse basics
- dbt fundamentals

LAB A dbt model layer over a star schema, with tests on every critical column.

06 Cloud, Projects & Career Preparation

MONTH 04 Ship It, Then Get Hired

M10 Cloud Analytics

WEEK 13

- AWS fundamentals
- Amazon S3
- AWS Glue basics
- Amazon Athena
- Amazon Redshift overview
- Google BigQuery overview
- Microsoft Fabric introduction

LAB Query a data lake on S3 with Athena and load results to a warehouse.

M11 Version Control & Collaboration

WEEK 14

- Git basics
- GitHub
- Branching
- Pull requests
- Jira fundamentals
- Agile & Scrum basics

LAB Your analytics work versioned on GitHub and tracked through a Jira sprint.

M12 Real-Time Projects

WEEK 15

- Sales analytics dashboard
- HR analytics dashboard
- Finance dashboard
- E-commerce analytics
- Customer segmentation
- Marketing analytics
- Executive business dashboard
- AI-powered analytics project

LAB Choose, build and ship two industry dashboards reviewed by your mentor.

M13 Career Preparation

WEEK 16

- Resume building
- LinkedIn profile optimisation
- GitHub portfolio
- SQL interview questions
- Python interview questions
- Power BI interview questions
- HR interview preparation
- Mock interviews
- Communication skills

01 END-TO-END ANALYTICS SOLUTION

02 SQL + PYTHON + POWER BI

03 AI-POWERED INSIGHTS DASHBOARD

04 CLOUD ANALYTICS DEPLOYMENT

CAPSTONE PROJECT — BUILT, DEPLOYED, DOCUMENTED AND PRESENTED

COURSE MATERIAL

07 The Complete Tool Stack

Grouped by the job each tool does in a real analytics workflow — so you learn where every technology sits and why it is there.

01	**Spreadsheet Analytics** EXCEL & POWER QUERY	Microsoft Excel · Power Query · Pivot Tables
02	**Query & Databases** SQL & RDBMS	PostgreSQL · SQL · Query Optimisation
03	**Programming** PYTHON ENVIRONMENT	Python · Jupyter Notebook · VS Code
04	**Analysis Libraries** DATA WRANGLING	NumPy · Pandas · Polars
05	**Statistics & Testing** EVIDENCE	Hypothesis Testing · A/B Testing · Regression
06	**Visualize & Report** BUSINESS INTELLIGENCE	Power BI · DAX · Tableau
07	**Generative AI** AI-ASSISTED ANALYTICS	ChatGPT · Microsoft Copilot · Prompt Engineering
08	**Analytics Engineering** TRANSFORM & MODEL	dbt · Star Schema · Data Quality
09	**Cloud Analytics** LAKE, QUERY & WAREHOUSE	Amazon S3 · AWS Glue · Athena · Redshift · Google BigQuery · Microsoft Fabric
10	**Version & Collaborate** WAYS OF WORKING	Git · GitHub · Jira · Agile & Scrum

18+	10	100%	2026
TOOLS & TECHNOLOGIES	WORKFLOW STAGES	HANDS-ON LABS	INDUSTRY STANDARD

08 Technology Stack Overview



MEET YOUR MENTORS

Trained By Industry, Not Textbooks

Your mentors are not full-time educators. They are practising architects who design and operate enterprise data platforms every day — and bring that current tooling, judgement and network into every session.



FOUNDER & CHIEF MENTOR

Srikanta Patra

PRINCIPAL DATA ARCHITECT · FOUNDER, DATAXSCHOOL

Srikanta Patra is a seasoned Principal Data Architect with 15+ years of industry experience across Data Analytics, Data Science, Database Engineering and Cloud Data Platforms. Over his career he has held key technical leadership roles at Sequoia, Chingari, Junglee Games, BCD Travel, Atlas Systems, Synchronoss Technologies and Wipro. As Founder & Chief Mentor of DataXSchool he has mentored thousands of students and professionals, combining real-world production experience with a practical, industry-first teaching approach.

EXPERIENCE	EXPERTISE	DOMAINS
15+ Years	Data Architecture & Cloud Platforms	Gaming · Travel · Telecom · Healthcare

FOUNDER AND MENTOR

WORKING ON BELOW COMPANIES

SEQUOIA · JUNGLEE GAMES · BCD travel · Atlas Systems · synchronoss Technologies · wipro



PROGRAM MENTOR

Nirupama Chaudhuri

SENIOR DATA ANALYTICS & DATA SCIENCE MENTOR · 15+ YRS

Nirupama Chaudhuri is a seasoned Data Analytics & Data Science professional with 15+ years of industry experience across SQL, Python, Oracle, ETL, Data Warehousing, Informatica, DataStage, Big Data (Hadoop, Hive & Spark) and Business Intelligence. She has delivered enterprise data solutions for leading global organisations across Banking, Financial Services, Healthcare and Telecom — including Citi, JPMorgan Chase, American Express, Accenture, Infosys and VJ Info. She mentors students through hands-on projects, case studies and interview-focused training.

EXPERIENCE	FOCUS	DOMAINS
15+ Years	Analytics · Data Science · BI	Banking · BFSI · Healthcare · Telecom

PROGRAM MENTOR WORKS ON

citi · JPMorgan Chase & Co. · AMERICAN EXPRESS · accenture · Infosys

15+	1:1	100%	∞
YEARS INDUSTRY EXPERIENCE	PERSONAL MENTORING	LIVE SESSIONS, NO RECORDINGS	DOUBT CLEARING & CODE REVIEW

INSIDE OUR CAMPUSES

09

Built For Real Practice

Modern, fully-equipped campuses across India — dedicated lab seats, instructor-led classrooms and collaborative spaces. Every learner gets a machine, a mentor and the room to build. Visit any campus and sit in on a live session before you decide.

Bengaluru

Brigade IRV Centre, 9th Floor, Nallurhalli, Whitefield 560066

FLAGSHIP CAMPUS







INSTRUCTOR-LED SESSIONS & COLLABORATIVE WORKSPACES — LIVE BATCHES

Bhubaneswar

Satyakali Residency, N-6/452, Nayapalli, Jayadev Vihar 751015

ODISHA





CLASSROOM & PRACTICE LAB — DEDICATED SEATS, SMALL BATCHES

Berhampur

1st Floor, Jail Road, Lanjipali, Odisha 760008

ODISHA





RECEPTION & LEARNING LAB — 1:1 MENTORSHIP

CAREER SERVICES

10 From Day One to Day You're Hired

Our placement engine is built into the curriculum from week one. You don't graduate and then job-hunt — you graduate already in active interview pipelines, with a portfolio of shipped pipelines behind you.

95%	50+	10+	Free
PLACEMENT RATIO	CAREER WEBINARS	INDUSTRY MENTORS	MOCK INTERVIEWS

1:1 Career Mentoring

Every learner is matched with a senior industry mentor for ongoing guidance — career strategy, technical doubts and salary negotiation.

Assured Interviews

On graduating into our Placement Pool you get guaranteed interview opportunities with top MNCs and high-growth startups.

Resume & LinkedIn

Built and reviewed by industry hiring managers. We rebuild your resume, optimise LinkedIn and clean up your Naukri presence.

Mock Interview Prep

Repeated mock rounds simulating real company loops — SQL, PySpark, system design and behavioural — with detailed feedback.

Hiring Job Fairs

Quarterly campus-style fairs bring recruiters directly to our learners across all four campuses.

Hackathons & Projects

Team hackathons and real client briefs build portfolio depth — the kind of work that actually moves the needle in interviews.

Our Student Placement Companies

Organisations where DataXSchool learners have been placed across programs and campuses.

CLOVER INFOTECH · wipro TECHNOLOGY · ahana SYSTEMS · accenture

INTUTATIVE TECHNOLOGY · HELLO AI · Deloitte. · TATA ELEXI

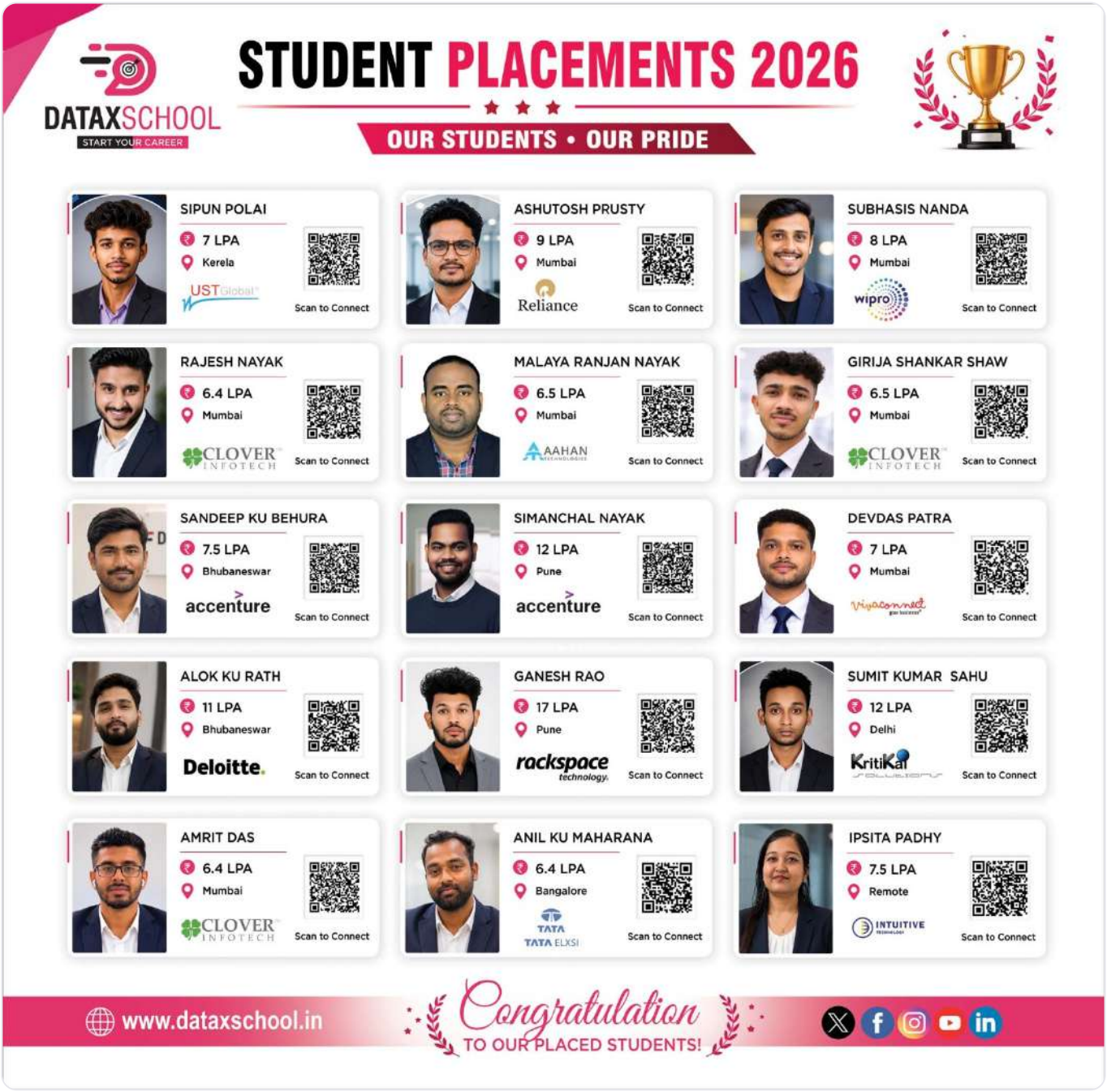
NTT DATA · Tech Mahindra · TCS TATA CONSULTANCY SERVICES · Infosys

IBM · LTIMindtree · rackspace · MAVINIER

OUR STUDENTS · OUR PRIDE

11 Outstanding Placements

2000+	95%	₹6L–40L	Pan-India
LEARNERS	PLACEMENT	SALARY RANGE	REACH



A SELECTION OF RECENT DATAXSCHOOL PLACEMENTS ACROSS PROGRAMS — VERIFIED OFFERS, REAL LEARNERS.

JOIN US

12 How to Apply

Who Can Apply?

- Freshers & final-year students
- Working professionals switching into tech
- Career-break professionals re-entering tech
- Engineering, science, commerce or arts graduates

1 Submit Application

Tell us your background, goals and target role. Takes about five minutes.

2 Screening & Interview

A short aptitude check and a 1:1 conversation with our admissions panel.

3 Admission & Onboarding

Offer letter, enrolment, and immediate access to pre-course material and the portal.

Visit Any of Our Campuses

BENGALURU

Brigade IRV Centre, 9th Floor, Nallurhalli, Whitefield, Bangalore – 560066

+91 90408 93720

BHUBANESWAR

Satyakali Residency, N-6/452, in front of Bank of India, near The Crown Hotel, Nayapalli, Jayadev Vihar, Odisha 751015

+91 78490 07838

BERHAMPUR

1st Floor, Jail Road, Lanjipali, Berhampur, Odisha 760008

+91 84579 54836

FREE TRIAL · ADMISSIONS OPEN 2026

Book a Free Demo Class

Sit in on a live session before you decide. Zero commitment.

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