DataXcelerate: The data-to-intelligence sprint

Building industry-ready analytics and AI capabilities
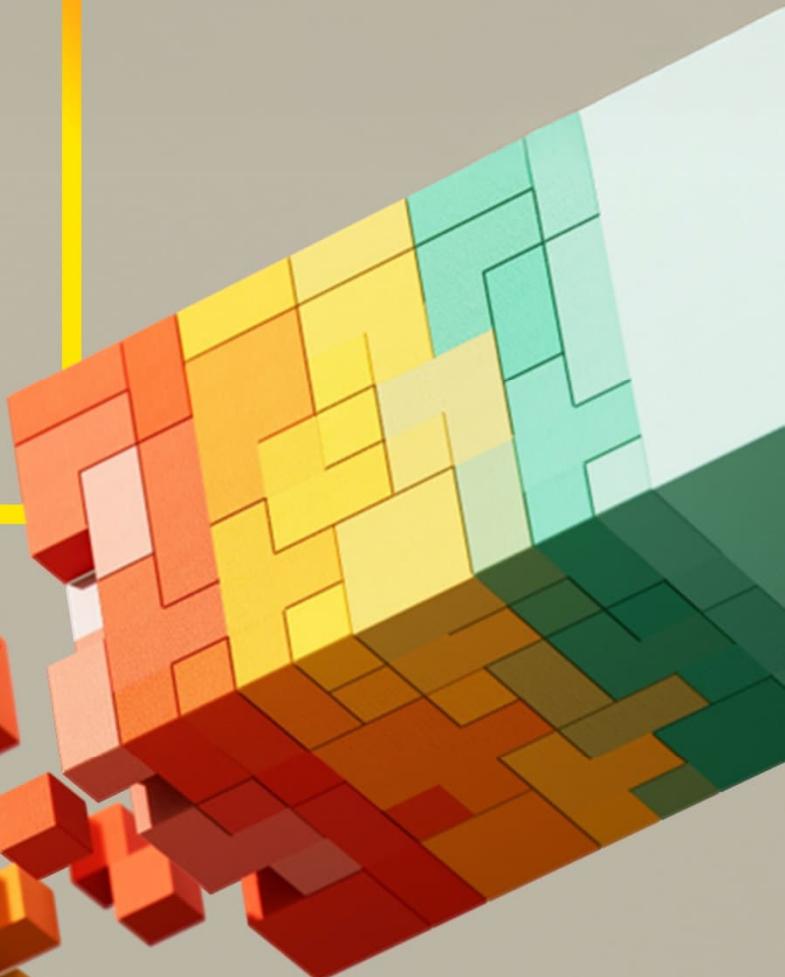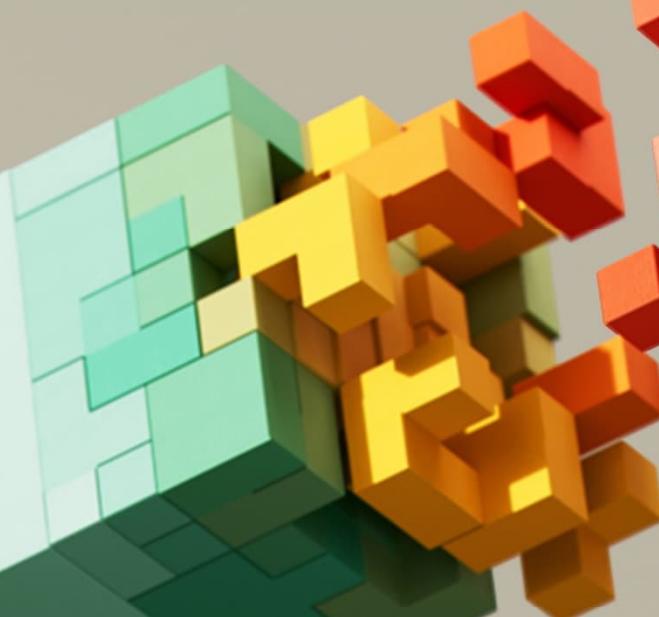
EY

Shape the future
with confidence

About the program

As organizations increasingly adopt data, analytics and artificial intelligence to drive smarter and faster decisions, early-career professionals with practical skills in data-based analytics, machine learning and business intelligence are gaining a strong edge in the job market.

This program is designed as a career-focused, hands-on learning journey, helping learners build industry-relevant analytics and AI skills from the ground up. It covers the complete analytics lifecycle—from data exploration and predictive analysis to AI modeling and business-ready visualization.

Learners will gain practical exposure through:

- Real-world business case studies that mirror challenges faced by modern organizations
- Hands-on practice with Python and Power BI, enabling learners to build confidence with in-demand tools
- Interactive live sessions focused on applying concepts to real business scenarios and improving job readiness

The blended delivery model facilitates flexibility, depth, and practical relevance, enabling learners to balance their studies with academic or professional commitments.

This program is designed for students and early professionals, offering a structured pathway to build end-to-end analytics knowledge through a combination of self-paced eLearning and interactive live virtual sessions.

Key learning modules

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Exploratory analytics using Python	Build a strong foundation in data analysis, visualization and statistical exploration
Predictive analytics using Python	Develop predictive models using regression, classification and forecasting techniques
AI and Machine Learning using Python	Understand and apply supervised and unsupervised machine learning algorithms to real-world problems
Business intelligence using Power BI	Create interactive dashboards and reports to support business decision-making
Elective: Domain analytics (choose one)	• Marketing analytics: Customer insights, campaign performance and market analysis • HR analytics: Workforce planning, attrition analysis and talent metrics • Supply chain analytics: Demand forecasting, inventory optimization and logistics insights • Financial analytics: Analyze financial statements, profitability, cash flows and performance metrics using analytics tools.

The program is delivered by EY professionals, industry practitioners, and academicians, enabling strong alignment with real-world business and industry requirements.

Why learn analytics, AI and business intelligence?

Exploratory analytics using Python

- Develop the ability to analyze, clean and interpret data to uncover patterns and insights
- Build a strong foundation in data analysis, a critical first step in any analytics or AI project
- Essential for roles in analytics, consulting and business decision support

Predictive analytics using Python

- Learn to build models that forecast outcomes and identify trends using statistical and machine learning techniques
- Supports data-driven decision-making across finance, marketing, operations and HR
- A core skill for professionals transitioning into advanced analytics roles

AI and Machine Learning using Python

- Gain hands-on exposure to machine learning algorithms and AI concepts used in real business applications
- Understand how organizations use AI to automate processes, improve accuracy and drive innovation
- Increasingly critical for analytics, data science and technology-driven roles

Business intelligence using Power BI

- Learn to convert complex datasets into interactive dashboards and actionable insights
- Widely used across industries for performance tracking, reporting and executive decision-making.
- A must-have skill for analytics and business professionals alike

Domain specialization (HR/Marketing/Supply Chain/Financial Analytics)

- Apply analytics concepts to a functional business domain
- Gain practical exposure to domain-specific datasets, KPIs and use cases
- Enhances job readiness by aligning analytics skills with business functions

Program deliverables

- One-year unlimited access to self-paced eLearning modules
- Extensive live virtual sessions conducted by industry and EY professionals (Duration: 60 hours)
- Comprehensive concept coverage supported by real-world case studies and datasets
- Hands-on learning using Python and Power BI
- Access to recorded live sessions for revisiting the sessions

- Dedicated academic and technical query support via the Ask EY Expert platform
- EY certificate of completion for each successfully completed eLearning module
- Two Masterclasses focusing on building impactful resumes and strong LinkedIn profiles
- Complimentary access to an eLearning course on Excel for Business and Advance Analytics using R
- Bonus session on the Application of GenAI in Marketplace/Business

Who should enroll?

This program is ideal for:

- Students aspiring to build careers in analytics, AI and data-driven roles
- Working professionals with one to five years of experience seeking to upskill or transition into analytics roles
- Early-career professionals in finance, consulting, marketing, HR, operations and technology

Why choose this program?

- Industry-aligned curriculum designed for real-world application
- Expert-led learning from EY professionals and industry specialists
- Blended learning format for flexibility and depth
- Strengthen your professional edge with high impact eLearning certificates
- Practical, job-relevant skills aligned with current industry demand

Our other eLearning courses

- Certificate in IFRS
- Certificate in US GAAP
- Certificate in Business Valuation
- Certificate in Exploratory Analytics in Python
- Certificate in Finance for Non-Finance Managers
- Certificate in Financial Modelling and Valuation
- Certificate in Blockchain Technology
- Certificate in Data Visualization Using Tableau
- Certificate in Ind-AS
- Certificate in Business Intelligence using Power BI
- Certificate in Advance Analytics using R
- Certificate in Lean Six Sigma Green Belt
- Certificate in Artificial Intelligence and Machine Learning in Python
- Certificate in Predictive Analytics in Python
- Certificate in HR Analytics
- Certificate in Supply Chain Analytics
- Certificate in Excel for Business

Prepare yourself for the next phase of your analytics and AI career with this industry-recognized certificate program.

Contact

For more information contact:

Shweta Manchanda

E: **Shweta.Manchanda@in.ey.com**

M: +91 9811638456

Fee for Indian Participants: 12,000+18% GST

Fee for International Participants: USD 250

Our offices

Ahmedabad
22nd Floor, B Wing, Privilon
Ambli BRT Road, Behind Iskcon
Temple
Off SG Highway, Ahmedabad -
380 059
Tel: + 91 79 6608 3800

Gandhinagar
8th Floor, Building No. 14A
Block 14, Zone 1
Brigade International Financial
Centre
GIFT City SEZ
Gandhinagar – 382 355, Gujarat
Tel: + 91 79 6608 3800

Bengaluru
12th & 13th Floor
"UB City", Canberra Block
No.24 Vittal Mallya Road
Bengaluru - 560 001
Tel: + 91 80 6727 5000

Ground & 1st Floor
11, 'A' wing
Divyasree Chambers
Langford Town
Bengaluru - 560 025
Tel: + 91 80 6727 5000

3rd & 4th Floor
MARKSQUARE
#61, St. Mark's Road
Shantala Nagar
Bengaluru - 560 001
Tel: + 91 80 6727 5000

1st & 8th Floor, Tower A
Prestige Shantiniketan
Mahadevapura Post
Whitefield, Bengaluru - 560 048
Tel: + 91 80 6727 5000

Ecospace
1st Floor, Campus 1C
Ecospace Business Park
Outer Ring Road,
Bellandur - Sarjapura Area,
Varthur Hobli,
Bengaluru Urban – 560103

Bhubaneswar
8th Floor, O-Hub, Tower A
Chandaka SEZ, Bhubaneswar
Odisha – 751024
Tel: + 91 674 274 4490

Chandigarh
Elante offices, Unit No. B-613 &
614
6th Floor, Plot No- 178-178A
Industrial & Business Park,
Phase-I
Chandigarh - 160 002
Tel: + 91 172 6717800

Chennai
6th & 7th Floor, A Block,
Tidel Park, No.4, Rajiv Gandhi
Salai
Taramani, Chennai - 600 113
Tel: + 91 44 6654 8100

Delhi NCR
Aikyam
Ground Floor
67, Institutional Area
Sector 44, Gurugram - 122 003
Haryana
Tel: + 91 124 443 4000

3rd & 6th Floor, Worldmark-1
IGI Airport Hospitality District
Aerocity, New Delhi - 110 037
Tel: + 91 11 4731 8000

4th & 5th Floor, Plot No 2B
Tower 2, Sector 126
Gautam Budh Nagar, U.P.
Noida - 201 304
Tel: + 91 120 671 7000

Hyderabad
THE SKYVIEW 10
18th Floor, "SOUTH LOBBY"
Survey No 83/1, Raidurgam
Hyderabad - 500 032
Tel: + 91 40 6736 2000

THE SKYVIEW 20
2nd Floor, 201 & 202
Right Wing, Survey No 83/1
Raidurgam, Hyderabad - 500 032
Tel: + 91 40 6736 2000

Jaipur
9th floor, Jewel of India
Horizon Tower, JLN Marg
Opp Jaipur Stock Exchange
Jaipur, Rajasthan - 302018

Kochi
9th Floor, ABAD Nucleus
NH-49, Maradu PO
Kochi - 682 304
Tel: + 91 484 433 4000

Kolkata
22 Camac Street
3rd Floor, Block 'C'
Kolkata - 700 016
Tel: + 91 33 6615 3400

6th floor, Sector V,
Building Omega, Bengal
Intelligent Park, Salt Lake
Electronics Complex, Bidhan
Nagar
Kolkata - 700 091
Tel: + 91 33 6615 3400

Mumbai
14th Floor, The Ruby
29 Senapati Bapat Marg
Dadar (W), Mumbai - 400 028
Tel: + 91 22 6192 0000

5th Floor, Block B-2
Nirlon Knowledge Park
Off. Western Express Highway
Goregaon (E)
Mumbai - 400 063
Tel: + 91 22 6192 0000

3rd Floor, Unit No.301
Building No.1, Mindspace-
Gigaplex
IT Park, MIDC, Plot No. IT-5
Airoli Knowledge Park
Airoli West, Navi Mumbai - 400
708
Tel: + 91 22 6192 0003

18th Floor, Altimus
Pandurang Budhkar Marg
Worli, Mumbai - 400 018
Tel: + 91 22 6192 0503

Pune
C-401, 4th Floor
Panchshil Tech Park, Yerwada
(Near Don Bosco School)
Pune - 411 006
Tel: + 91 20 4912 6000

10th Floor, Smartworks
M-Agile, Pan Card Club Road
Baner, Pune - 411 045
Tel: + 91 20 4912 6800

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EY teams work across a full spectrum of services in assurance, consulting, tax, strategy and transactions. Fueled by sector insights, a globally connected, multi-disciplinary network and diverse ecosystem partners, EY teams can provide services in more than 150 countries and territories.

All in to shape the future with confidence.

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