ISDM Independent Skill Development Mission NXT



★ AI-INTEGRATED COURSE

NXT CERTIFIED DATA SCIENCE PROFESSIONAL

Launch your career in Data Science with NxT!

Duration: 6 Month | **Certificate** · Advanced | **Eligibility:** A bachelor's degree in any discipline or relevant work exper

OVERVIEW OF THE COURSE

Course OverviewThe NxT Certified Data Science Professional course is designed to equip students with the essential skills needed to excel in the field of data science. Over six months, participants will engage in comprehensive learning, covering key concepts and practical applications in data analysis, machine learning, and stat...

- Hands-on projects for real-world experience
- Learn from industry experts and mentors
- Flexible learning to fit your schedule
- Certification upon successful completion
- Master essential data science tools



6 Month DURATION

11 SUBJECTS

4 PROJECTS

16 TOOLS

JOIN NOW →

WhatsApp us

WE ARE AVAILABLE AT
600+ LOCATIONS

NOT SURE WHICH COURSE IS RIGHT FOR YOU?
Choose the Best Course for You - Try our AI-Powered Career Counselling for FREE

Start free →

YOUR NEAREST ISDM NxT CENTRE
Sumit Das
S.c Ghosh Street, Shyamnagar Chowrongi, Maa Annapurna Building, Beside Bazar Kolkata - 743144, North 24 Parganas, West Bengal - 743144
Call / WhatsApp: **9073257334** · isdmnxt.kolkata@yahoo.com

Scan to enquire

COURSE CURRICULUM

What you will learn

01 Subjects → | 02 Projects → | 03 Tools → | 04 AI Integration

01 Subjects & modules

8 subjects with the topics you will learn

01 Introduction to Data Science & Python for Data Analysis

- Data Science Concepts And Industry Applications
- Data Science Lifecycle And Machine Learning
- Deep Learning And Neural Networks
- Python Environment Setup
- Python Libraries For Data Analysis
- Data Wrangling And Missing Data
- Data Transformation And Preprocessing

02 Statistics, Probability & Data Visualization

- Descriptive Statistics And Summary Measures
- Visualizing Data Distributions With Python
- Inferential Statistics And Hypothesis Testing
- P-Values And Confidence Intervals
- Probability Distributions
- Correlation And Regression Analysis

03 Machine Learning Fundamentals

- Learning Basics And Paradigms
- Supervised Learning Foundations
- Supervised Learning Algorithms
- Regression Analysis And Techniques
- Classification Models And Algorithms
- Model Evaluation Metrics
- Hyperparameter Tuning And Optimization

04 Unsupervised Learning & Feature Engineering

- Clustering Fundamentals and Techniques
- K-Means and Elbow Method
- Hierarchical Clustering
- Dimensionality Reduction With PCA and t-SNE
- Anomaly Detection for Banking Fraud
- Feature Types, Encoding, and Imputation
- Feature Scaling Techniques

05 Deep Learning & AI with TensorFlow & Keras

- Deep Learning And Neural Network Fundamentals
- Activation Functions And Network Training
- ANN, CNN, And RNN Architectures
- CNN Image Recognition And Classification
- RNNs For Sequence Modeling
- Transfer Learning And Fine-Tuning
- Building And Evaluating Models With TensorFlow/Keras

06 Big Data & Cloud Computing for Data Science

- Big Data And Hadoop Fundamentals
- Apache Spark Data Processing
- NoSQL Databases And Storage
- Cloud Computing And Service Models
- Cloud Platforms For Data Science
- Cloud ML Deployment And Serverless
- Kafka Real-Time Data Streaming

07 Natural Language Processing (NLP) & AI for Business

- Text Preprocessing And Normalization
- Sentiment Analysis And Entity Recognition
- Chatbot Fundamentals And Development Pipelines
- Rule-Based And LSTM Chatbot Implementation
- Recommendation Systems And Filtering Methods
- AI Applications In Business And Healthcare

08 Capstone Project & Career Opportunities

- End-To-End Data Science Pipeline
- Data Collection And Preprocessing
- Exploratory Analysis And Feature Engineering
- Model Training And Evaluation
- Model Deployment Monitoring And Scalability
- Responsible AI Ethics And Compliance
- Career Branding And Portfolio Development

- E-Commerce Recommendation System Deployment

02 Projects & assignments

Hands-on work for your portfolio

P1 Data Cleaning and Preprocessing Project

P2 Exploratory Data Analysis on Real-world Datasets

P3 Machine Learning Model Development for Predictive Analysis

P4 Capstone Project: End-to-End Data Science Solution

03 Tools & software you will master

6 industry tools

Python

TensorFlow

Keras

R

Tableau

AWS

04 AI Integration

How AI is used inside the work of this course

AI SUBJECT

AI for Office Productivity (Word, Excel, PowerPoint)

- **Safe AI use and prompt basics for office work**
  Microsoft 365 Copilot and Gemini for Google Workspace in Microsoft 365 and Google Workspac
- **AI-assisted documents and email in Microsoft 365**
  Microsoft 365 Copilot in Word: Create, rewrite and summarise a workplace letter or report,
- **AI formulas, data cleaning and analysis in Excel**
  Microsoft 365 Copilot in Excel: Generate or explain formulas, analyse a table and create a
- **AI presentations in PowerPoint and Google Slides**
  Microsoft 365 Copilot in PowerPoint: Create or revise a presentation from a prompt or supp
- **Gemini in Google Workspace: documents, spreadsheets and email**
  Gemini for Google Workspace in Google Docs: Draft, rewrite or summarise a document and ver
- **AI-assisted calendar, meetings and task management**
  Microsoft 365 Copilot in Microsoft Teams, Microsoft To Do and Planner: Review an available
- **AI connectors and office-work automation**
  ChatGPT connectors in Gmail, Google Calendar and Google Drive where supported: Connect an

AI SUBJECT

AI for Programming & Web Development

- **AI Pair Programming Setup: VS Code and GitHub Copilot**
  GitHub Copilot in VS Code: Sign in, use inline suggestions and Chat, then try agent mode o
- **AI-Assisted Front-End Development**
  GitHub Copilot in VS Code: Use inline suggestions and Chat while building and refining a r
- **Python Coding and AI Agents in the Editor and Terminal**
  Claude Code in Terminal and project files: Install or access it using the current official
- **GitHub Team Workflow and AI Code Review**
  GitHub Copilot code review in GitHub pull requests: Request a review on a practice pull re
- **Calling AI APIs from Your Own App**
  OpenAI API in A local app or server-side project: Create an API key with available account
- **AI-Assisted Testing, Debugging and Documentation**
  GitHub Copilot Chat in VS Code: Use project context to suggest tests or explain a failure,
- **AI-Assisted Deployment and Final Project**
  GitHub Copilot in VS Code: Ask for help preparing or explaining deployment files, then rev

AI SUBJECT

AI for Data Analytics

- **Analyst Workflow, Data Safety and AI Request Basics**
  ChatGPT, Claude or Gemini in Data-analysis workspace with file upload, when available for
- **AI-Assisted Analysis in Excel**
  Copilot in Excel in Microsoft Excel
- **AI-Assisted Analysis in Google Sheets**
  Gemini in Google Sheets in Google Sheets
- **Analysing Uploaded CSV and Excel Files with AI**
  ChatGPT data analysis in ChatGPT workspace with file upload, when available for the accoun
- **AI-Assisted SQL and Data Verification**
  Gemini in BigQuery in BigQuery SQL workspace
- **AI Dashboards and Reports**
  Copilot in Power BI in Microsoft Power BI · Gemini in Google Sheets with Looker Studio in
- **Automated Reports and Email Summaries**
  AI Builder prompt action in Power Automate · Gemini API in Google Apps Script connected to

AI TOOLS YOU WILL USE

Google Gemini · Claude · ChatGPT · Microsoft Copilot · GitHub Copilot · VS Code · GitHub · Power Automate · Power BI · Zapier

CAREER OPPORTUNITIES

Where this course can take you

Data Scientist
Fresher salary: ₹3.0–5.0 LPA*

Data Analyst
Fresher salary: ₹2.5–4.5 LPA*

Machine Learning Engineer
Fresher salary: ₹4.0–6.0 LPA*

Business Intelligence Analyst
Fresher salary: ₹3.5–5.5 LPA*

Data Engineer
Fresher salary: ₹4.5–7.0 LPA*

Freelancing & own business

- Data analysis for businesses
- Machine learning model development
- Consulting on data strategies
- Creating data visualizations
- Online courses or workshops

Industries that hire

- Information Technology
- Finance
- Healthcare
- E-commerce
- Telecommunications

Grow further

- Advanced Data Science Specialization
- Machine Learning Certification
- Cloud Computing for Data Science
- AI and Robotics Course

Certification

Upon successful completion, you will receive the NxT Certified Data Science Professional certificate, validating your skills and knowledge in data science.

Practical AI-integrated project | **Final online test** | **Verifiable certificate**

JOB SUPPORT

How we help you get a job

1. Resume building assistance
2. Mock interview sessions
3. Access to job offers
4. Help with job applications

* Typical fresher salary ranges in India; the actual salary depends on the employer, the city and your skills.

WHY START NOW

Your future is built by the skills you learn today.

Companies hire people who can do the work. People who use AI well at work are in demand - this course teaches you the job skills and the AI tools together. Every month you practise adds a project to your portfolio - the best time to start is now.

18+	600+	2,708+	390+
Years of training experience	Centres across India	Job offers to our students	Hiring companies

UNIQUE FEATURES AT ISDM NxT

- ✓ Free pre-counselling to choose the right course
- ✓ Study material, attendance, assignments, exams and results online from day one
- ✓ 24x7 AI trainer (ChatNxT) for your doubts
- ✓ Experienced, rated trainers and daily class feedback
- ✓ Practical lab sessions and live projects
- ✓ Monthly online mentorship sessions
- ✓ Resume, mock interviews and job offers in your student dashboard
- ✓ Freelancing and start-up guidance

● LIVE PLACEMENT DATA

Latest job offers to ISDM NxT students

Updated 20 Nov 2026



Gaurav M.
India
Java Software Development Engineer
Health Catalyst



Geeta K.
New Delhi
tellecaller for digital marketing
balajimarketingexperts



Anand S.
Muvattupuzha
Hiring Junior Account Executive J...
CorpZop



Adarsh S.
Ghugus
TGT Computer Science
Adani Foundation



Priyanka Y.
Mumbai
Data Entry Operator (Full-time) -...
CorpZop



Rajan S.
Ahilyanagar
Computer Trainer
Enlearning skill development Ltd

Job offers shared with our students through the ISDM NxT job network. See all at isdmnext.in/latest-placement

LIMITED SEATS · VALID TILL 30 NOV 2026

FREE Ambassador Affiliate Programme

Complete your admission within **10 days** and join the ISDM NxT Ambassador Affiliate Programme free of cost: refer friends, earn referral rewards as per the programme and get featured on the ambassador leaderboard.

CLAIM NOW

TAKE THE FIRST STEP

Book your FREE counselling session today

Meet our counsellor, see the lab, get your doubts answered and know the current fees and offers for your centre.

YOUR ISDM NxT CENTRE

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Try it FREE → isdmnext.in/course-for-you

01 Counselling
Free guidance to pick the right course

02 Training
Practical classes, labs and projects

03 Mentoring
Experts, AI trainer and feedback

04 Placement support
Resume, interviews and job offers

What you get with this course

- Comprehensive study material
- Practical lab sessions
- Live projects to enhance learning
- 24x7 AI trainer support
- AI career counselling
- Interview preparation assistance
- Job offers on student dashboard
- Certification upon completion

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Fees depend on the centre and current offers - ask your counsellor. Course content may be updated to stay current with industry needs. · isdmnext.in