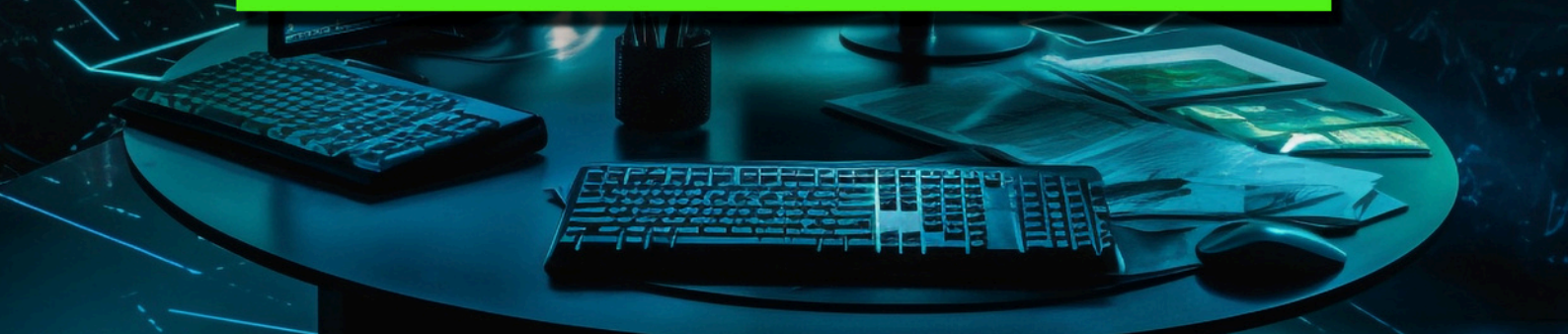




# MASTER DATA SCIENCE WITH **GENERATIVE AI**



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# ABOUT **EDUINX**

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Greetings from EDUINX, your entry point to an amazing education in the ever-changing field of information technology! At EDUINX, we are committed to equipping people with the knowledge and abilities necessary to succeed in the rapidly changing IT sector and to become industry-ready. Our extensive courses give a smooth transition into the domains of CCNA, Python, Cisco DevNet Associate, Data Science and TCP Deep Dive, all while equipping students with the knowledge and skills that the industry demands.

At **EDUINX**, we take great satisfaction in providing all of our students with the greatest knowledge possible, enabling them to have the appropriate information at the appropriate moment. Our trainers have years of expertise in various disciplines, which gives them a leg up when it comes to providing individualized teaching.

# PLACEMENT STATS

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**Career Transition**

**70000+**

**Average Salary Hike**

**44%**

**Average Annual Salary**

**6-20 LPA**

**Hiring Partners**

**650+**





# PROGRAM HIGHLIGHTS



100% Job Guarantee

\*T & C applied



AICTE approved  
internship certificate



Soft Skills and  
Interview Preparation



4 Mock Interviews



1 on 1 Technical  
Mentorship



1 Masterclass by  
Expert



Practical  
Assignments



50+ Problem Solving  
Session



Portfolio  
Development



2 Mentors Model



Live Projects



Hands on Experience



# WHAT ARE OUR SPECIAL FEATURES?

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Our training sessions are unique in their own way. **You can enjoy the following benefits:**

- Live interactive classes with frequent doubt sessions
- Lifetime LMS access
- Access to pre-recorded videos as well
- Students from all over the globe
- Hands on Practical Learning
- Dedicated Placement Support
- Learn from Top 1% Industry Leaders
- Industry Led Training Program
- Personalized Mentorship
- 100+ Hiring Partners
- **100% Job Guarantee**

# PROGRAM DETAILS

## Program Duration

6 months + 2 months of Capstone Projects

## Eligibility Criteria

Any Graduate

## Program Fee

Pay Now: ~~₹79999~~ ₹70000/- including GST



# WHY EDUINX?

**Eduinx's** Master Data Science with Generative Ai Course is meticulously crafted by elite industry visionaries, offering you an unparalleled gateway to ignite your career in technology. Its core components are strategically designed to distinguish our program from any other option you might consider, setting a new standard of excellence in tech education.

	Offline	Eduinx
Hands on Practical Experience	✗	✓
Interview Opportunity*	✗	✓
Career guidance sessions	✗	✓
Value for Money*	✗	✓
Industry Experts	✗	✓
2 Mentors Model	✗	✓
Industry projects	✗	✓

# OUTCOME-BASED IMMERSIVE LEARNING

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## LEARN

Receive a captivating and comprehensive educational journey, emphasizing extensive video materials, thorough discussions, and dynamic components like memory cards and assessments to solidify understanding.

## PRACTICE

Write code directly into your browser and get expert feedback. Practice and apply what you've learned in a hands-on manner and assessments to solidify understanding.

## ASSESS

Explore diagnostic, module-level, and final assessments. Track your skills learning progression and demonstrate your knowledge and capabilities.

## INSIGHTS

Comprehensive reports with deep insights for both learners and organizations. You can assess skills progression and make informed decisions about learning strategies.

## APPLY

Gain work-like experiences through industry-grade projects designed to simulate real-world scenarios. Apply your skills and knowledge in a practical setting, similar to developers in leading tech companies.

# PROGRAM CURRICULUM

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## 1. Introduction to Data Analytics and AI (6 hours)

- **Overview of Data Analytics**

- Explanation of quantitative and qualitative data
- Role of data analytics in decision-making processes
- What does a typical data scientist do? What are realistic expectations?
- Case studies: E-commerce analytics, sports analytics

- **Introduction to Artificial Intelligence**

- Differentiating AI, machine learning, and deep learning
- Role of AI in predictive analytics and automation

- **Importance of GenAI Tools and Platforms**

- Specific tools like GPT (Generative Pre-trained Transformer), DALL-E
- How these tools can be used to generate insights and automate tasks
- From scratch to Gen AI – Roadmap



# PROGRAM CURRICULUM

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## 2. Fundamentals of Data Handling (8 Hours)

- **Data Collection Techniques and Sources**
  - Standards for Data Collection, GIGO concept
  - Evaluating the reliability and validity of data sources
- **Data Cleaning and Preprocessing**
  - Exploratory Data Analysis – Basic Statistics and Data Summarization
  - Detailed methods for handling outliers and missing data (imputation techniques)
  - Data Standardization, Dimensionality Reduction concepts
- **Introduction to Tools for Data Manipulation**
  - Exploratory Data Analysis using Excel

# PROGRAM CURRICULUM

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## 3. Statistics and Probability for Analytics with Python (30 Hours)

- **Core Python Concepts with Hands on**
  - Variables, Statements, Methods, Non Primitive Data Types, Loops, Functions
- **Descriptive Statistics and Exploratory Data Analysis**
  - Using graphical summaries (box plots, histograms) to understand data
- **Inferential Statistics**
  - Sampling, Significance testing, Extrapolation, Chi-Square testing
- **Probability Theory Basics**
  - Basics of Probability and importance in Predictive Analytics

# PROGRAM CURRICULUM

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## 4. Data Visualization Techniques (4 Hours)

- **Principles of Effective Data Visualization**
  - Cognitive load theory in visualization design
  - Color theory and its impact on data interpretation
- **Tools for Creating Dynamic Visualizations**
  - Advanced functionalities in Tableau (parameters, calculations)
  - Creating and sharing interactive dashboards in Tableau, Power BI
- **Advanced Visualization Techniques**
  - Dashboards and Story Telling



# PROGRAM CURRICULUM

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## 5. Machine Learning Fundamentals (14 Hours)

- **Overview of Machine Learning in Data Analytics**
  - Discussion on bias, variance, and model overfitting
  - Comparative analysis of model performance metrics
- **Supervised vs Unsupervised Learning**
  - Detailed case studies on clustering (customer segmentation) and classification (email spam detection)
- **Basics of Regression, Classification, and Clustering**
  - Advanced regression techniques (multiple regression, logistic regression)
  - Model validation methods (cross-validation, ROC curves)
  - Decision trees: A deeper look into information gain and Gini index
  - Support vector machines: Understanding hyperplanes and kernel trick
  - Other algorithms such as Naïve Bayes, KNN, K means Clustering

# PROGRAM CURRICULUM

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## 6. Advanced Data Analytics and Building towards AI (24 Hours)

- **What does AI mean? And how did we build current AIs?**
  - Unstructured data, Image, Text and sound embedding
  - GIS data, QGIS demo
- **Natural Language Processing for Text Data Analysis**
  - Hands-on projects on sentiment analysis using Python libraries (NLTK, spaCy)
- **Predictive Analytics with Advanced Machine Learning Models**
  - Deep learning applications: Image recognition and natural language processing with Tensorflow and Pytorch

# PROGRAM CURRICULUM

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## 7. Practical Applications of GenAI in Analytics (6 Hours)

- **Case Studies from Various Industries**
  - Reporting Automation
  - Generating Text, Images, using co-pilot, perplexity
- **Real-time Analytics Using AI**
  - Streaming data and introduction to IoT applications
- **Ethical and Privacy Considerations**
  - Discussing real-world scenarios of AI ethics breaches

## 8. Working with Big Data (4 Hours)

- **Introduction to Big Data Technologies**
  - Scalability challenges and solutions with big data
- **Big Data Analytics with AI**
  - Practical use cases of AI in handling big data challenges
- **Understanding the Hadoop Ecosystem**
  - In-depth look at Hadoop components and their interrelationships



# PROGRAM CURRICULUM

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## 9. Capstone Project Mentorship (8 Hours)

- **Project Design and Implementation**
  - Guidance on defining project scope and objectives
- **Comprehensive Analysis Using AI Tools**
  - Integration of multiple AI techniques for holistic analysis
- **Presentation of Findings**
  - Effective techniques for visual and verbal presentation of complex data

# TOOLS

## TO BE COVERED FOR THE PROGRAM

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### Programming Languages



Python



R

### Data Visualization Tools



Tableau



Power Bi



Matplotib



Seaborn

### Machine Learning and AI Platforms



Scikit-learn

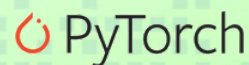


sPacy



TensorFlow

TensorFlow



PyTorch

# TOOLS

## TO BE COVERED FOR THE PROGRAM

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### AI and Analytics Specific Tools



Chat GPT



DALL·E

Dall-E

Gemini

Gemini



Copilot

MS Copilot



AskPDF

BHASHINI

Bhashini



perplexity

Perplexity


# OUR PROGRAM ADVISOR

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## Murthy Adivi

Program Advisor

 Murthy Adivi

Murthy Adivi is an accomplished professional in the fields of business analysis, team management, and service delivery, currently serving as a Faculty for Emerging Technologies at the Wadhvani Foundation in Bengaluru, Karnataka, India. With an MBA in Marketing and a B.E. in Electronics & Communications, he has over eight years of experience in analytics, project management, and business intelligence. Murthy has demonstrated expertise in developing data-driven solutions and optimizing projects using advanced frameworks. He is proficient in tools like Cognos, Tableau, SAS, R, and SQL, and holds certifications including EMC Data Science Associate. His career includes significant roles at Dell EMC, Hewlett-Packard, and IBM India.



# HIRING PARTNERS

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Google

Microsoft

slack

tcs TATA  
CONSULTANCY  
SERVICES

ZOHO

Deloitte.



ADITYA BIRLA GROU

Nordcloud

IBM

ADDTEQ

Intforce

Infosys®

yahoo!

accenture

amazon

Capgemini

Cognizant

MERKLE

MCKESSON

apollo350

gini minds

# CAREER SERVICES

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## Outcome Orientation

- Own your growth trajectory and launch your Data Science with Ai career with confidence.
- Get access to mock interviews, resume building, GitHub profile review, analysis and feedback.



## Learn by Doing it Yourself

- Experience hands-on learning with industry projects.
- Discover the best industry practices.
- Learn through extensive coding sessions.



## Immersive Learning

- On-demand videos.
- Guided hands-on exercises.
- Auto-graded assessments, recall quizzes, assignments and projects.

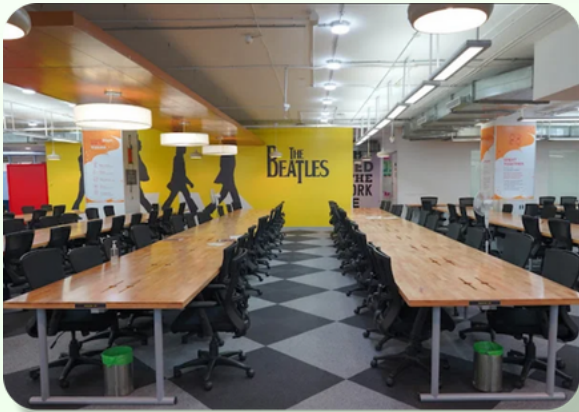


## Availability of CloudLabs

- Exclusive full-featured development environment.
- Powered by a pro-grade virtual machine.
- Build apps right in your web browser.

# OUR OFFICE

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# EDUINX



Eduinx.com

Take your Career to the Next Level

**Apply Now**

Speak to our Program Manager at



**7411464640**

Email us at



**admissions@eduinx.com**



B-Block, BHIVE Workspace - No.112, AKR Tech Park, "A" and, 7th Mile Hosur Rd, Krishna Reddy Industrial Area, Bengaluru, Karnataka 560068



Plot no.281, 2nd Floor, Sahid Nagar, Bhubaneswar-751007



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