100% JOB ASSURANCE 100%

IMARTICUS LEARNING

POSTGRADUATE PROGRAM
IN DATA SCIENCE & ANALYTICS WITH GEN AI

ET BEST INSTITUTE TO STUDY DATA SCIENCE BY ECONOMIC TIMES

22.5 LPA
Highest Salary

15000+
Placements

2000+
Hiring Partners

Duration
6 Months (Weekdays)
10 Months (Weekends)

Program Format
Classroom
Live Online Learning

Hands-on Learning
35+ Tools and
Projects

Highest Placements in the Industry
1000+ Placements every year

Trends in Data Science & Analytics

Leveraging data and artificial intelligence is transforming industries globally and India is leading the way.

With businesses adopting Generative AI tools like ChatGPT, Gemini, and Copilot to streamline analytics, the demand for data scientists skilled in these technologies is rapidly rising.

What's Driving Data Science Growth?

Growing reliance on data-driven business decision

Widespread digital transformation across industries

AI, ML, Deep Learning and GenAI driving smart tech shifts

Leveraging data and GenAI to personalise user journeys

118.7 billion
value of the Data Analytics industry in India by 2026.

Data Scientist
roles are growing at 14% annually, and are expected to create 11 million jobs by 2026.

About the program

Imarticus Learning leads the way in bridging the skills gap in data science, empowering professionals through our flagship **Postgraduate Program in Data Science and Analytics with GenAI.**

Designed for fresh graduates and **early-career professionals** (0-3 years of experience), this program equips you with analytical thinking, problem-solving, and technical expertise to excel as a data science professional. You'll gain hands-on experience with 35+ tools and projects, including GenAI applications like ChatGPT, Gemini and Copilot, along with technologies such as Retrieval-Augmented Generation (RAG) to streamline coding, debugging, and reporting.

No programming experience? No problem!

We guide you from the basics to proficiency in **Python, SQL, Machine Learning, Deep Learning, and using Gen AI tools** to help you develop proficiency.

Key highlights of the program

Industry-aligned Curriculum
Learn Python, SQL, ML, Tableau, Power BI, and Gen AI-based applications.

100% Job Assurance
Launch your career with our job-assurance training program.

Data Science & AI Studio

Data Science and AI studio
Master real-world skills through Hackathons, Blogathons, Masterclasses, and hands-on business challenges.

Advanced Data Science Internship
Get industry-relevant data science experience with hands-on internships.

Key highlights of the program

Interactive Learning Experience

Join live, interactive sessions and collaborate with peers whether you're learning online or offline.

Hands-on Learning

Apply concepts through real-world projects in a practical manner.

National-level Hackathons & Blogathons

Solve real business challenges and showcase your skills to build a strong portfolio and personal brand.

Built for Career Success

Become part of our growing alumni network, excelling in data careers.

Data Science
& AIStudio

A Real-World Edge, Built Into Your Program

Experience a hands-on learning ecosystem designed to fast-track your career. Work on real-world projects, compete in hackathons, and tackle real business problems.

With expert-led masterclasses and internship opportunities, you'll seamlessly bridge the gap between classroom learning and industry experience—making you job-ready from day one.

Internships with Imarticus Data Science Consulting Club

National Level Hackathons

National Level Blogathons

Masterclasses by Industry Experts

Project Bootcamp

Internships with Imarticus Data Science Consulting Club

Stand out with merit-based internships during your training and step into top data roles.

Expert Mentorship

Receive expert guidance while you work on real business problems.

Career Advancement

Build an industry-validated portfolio through hands-on projects, elevating your chances of landing top roles

Industry-Led Learning

Gain practical insights and skills by working on real business challenges with industry leaders.

Networking

Connect with professionals and grow your network in the data science community.

National level Hackathons

Put your skills to the test in a national-level hackathon and solve real, high-impact data challenges.

Here is what our learners have built

AquaCast: Groundwater Availability Predictor

AquaCast is a predictive water model that estimates groundwater availability across 8 Indian states using recharge data from monsoon, non-monsoon, and annual sources. It helps drive sustainable water management through data-backed insights.


CareerAlign: AI-Driven Career Navigator

CareerAlign is an AI-powered career navigator that analyzes your skills, interests, and market trends to recommend best-fit career paths, identify skill gaps, and suggest actionable next steps—offering a smarter, data-driven alternative to traditional counseling.

MediFusion AI: Personalized Healthcare Intelligence

MediFusion AI is a personalized healthcare platform that uses AI to enhance patient outcomes, streamline provider workflows, and simplify insurance—enabling smarter decisions, lower costs, and better access to care.
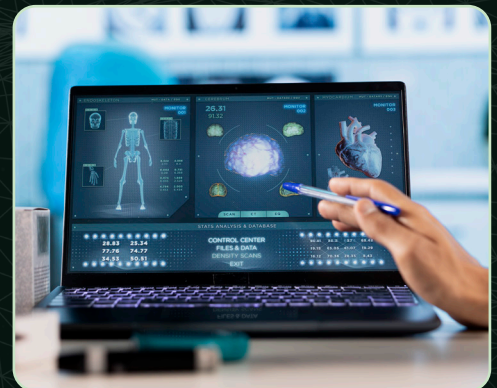
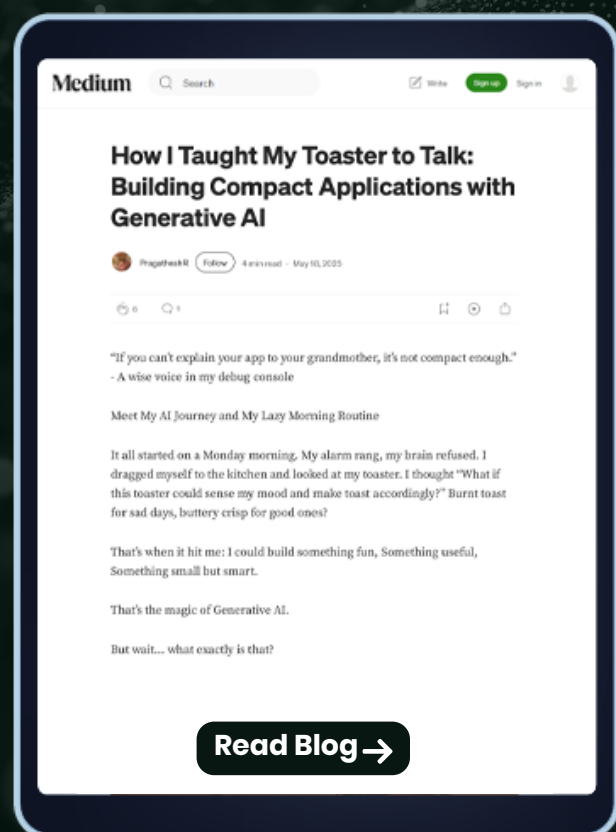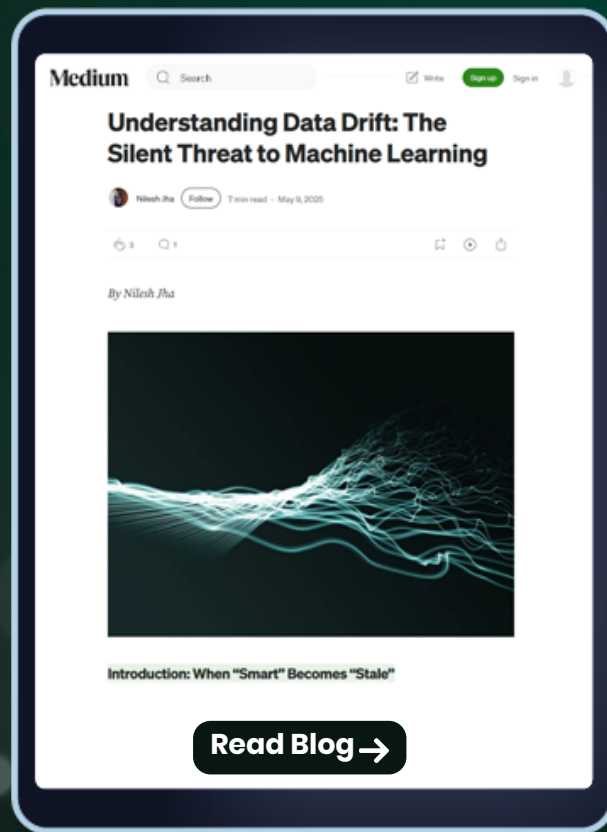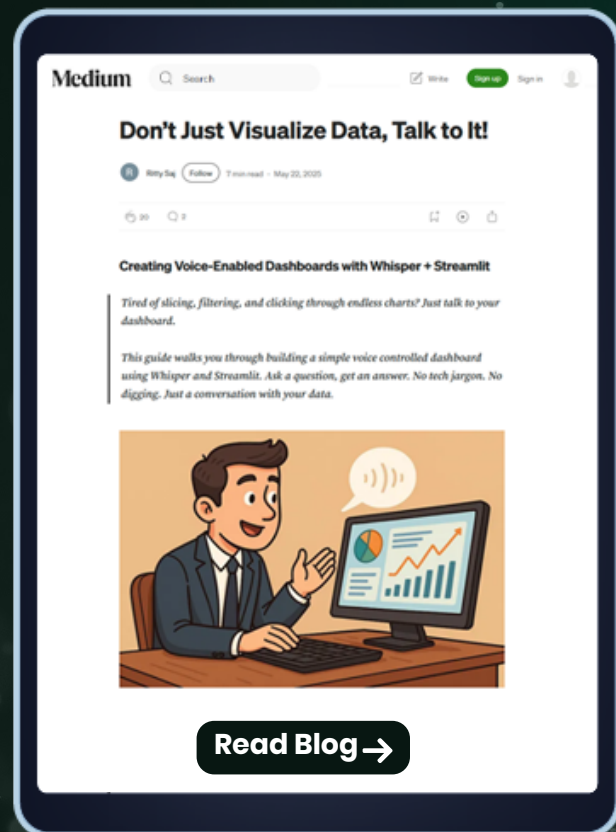### VidSyn: AI-Powered YouTube Summarizer

VidSyn is a multilingual AI tool that quickly summarises YouTube videos by identifying key segments and delivering concise, viewer-friendly summaries. Built for students, professionals, and creators, it helps you save time without missing the essentials.

National level Blogathons

Transform your data science skills into impactful blogs and get featured on Imarticus' digital platforms.

See how our learners have turned knowledge into innovation

Don't Just Visualize Data, Talk to It!

Creating Voice-Enabled Dashboards with Whisper + Streamlit

Tired of slicing, filtering, and clicking through endless charts? Just talk to your dashboard.

This guide walks you through building a simple voice controlled dashboard using Whisper and Streamlit. Ask a question, get an answer. No tech jargon. No digging. Just a conversation with your data.

Read Blog →

Understanding Data Drift: The Silent Threat to Machine Learning

By Nilesh Jha

Introduction: When "Smart" Becomes "Stale"

Read Blog →

How I Taught My Toaster to Talk: Building Compact Applications with Generative AI

"If you can't explain your app to your grandmother, it's not compact enough."
- A wise voice in my debug console

Meet My AI Journey and My Lazy Morning Routine

It all started on a Monday morning, My alarm rang, my brain refused. I dragged myself to the kitchen and looked at my toaster. I thought "What if this toaster could sense my mood and make toast accordingly?" Burnt toast for sad days, buttery crisp for good ones?

That's when it hit me: I could build something fun, Something useful, Something small but smart.

That's the magic of Generative AI.

But wait... what exactly is that?

Read Blog →

Smart Signals for a Smarter Bengaluru:Optimizing Urban Traffic Flow with Data Science

Introduction

As a mathematics student turned data Analyst, I've always been curious about how numbers can shape smarter cities. One of the biggest pain points

Read Blog →

Project Bootcamp

A 3-week bootcamp where you'll work on real-world projects, improve job readiness through hands-on practice, and learn alongside peers through discussions on real business problems.

Masterclasses by Industry Experts

Get exposure to 4 industry-aligned advanced technical masterclasses focused on trending tools, techniques, and real-world problems. Deepen your understanding of advanced topics and stay ahead of industry demands.

Program Curriculum

Data Science Launchpad

Start learning right after registration — no waiting.

- Build an analytical mindset by learning Excel, Python, Power BI, and databases
- Get started with Prompt Engineering and Exploratory Data Analysis (EDA)
- Understand how data drives real business decisions through case studies
- Strengthen your data storytelling and problem-solving abilities

Foundations of Data & AI Awareness

- Understand Data Science & real-world use cases
- Learn what AI & GenAI mean for industry
- Explore ChatGPT, Gemini & Copilot for analytics
- Build a data mindset: types, formats & context
- Basics of prompt engineering for GenAI tools

Excel for Data Analysis

- Master Excel functions: VLOOKUP, IF, INDEX-MATCH
- Clean, validate & transform raw data
- Create Pivot Tables, dashboards & KPI reports
- Use Copilot & ChatGPT to generate formulas/macros
- Mini Project: MegaMart Sales Dashboard with GPT

SQL for Data Handling

- Learn SQL basics: SELECT, JOINS, Aggregations
- Create databases, tables & E-R diagrams
- Optimise queries with AI tools like EverSQL
- Use GenAI for query generation & debugging
- Mini Project: Social Media Engagement Analysis

Program Curriculum

Python for Data Science

4

- Python essentials: data types, functions, lists
- Manipulate data with NumPy & Pandas
- Visualise insights using Matplotlib, Seaborn
- Use Copilot to debug, refactor & generate code
- Mini Project: Accident Analysis Dashboard

Statistics & Probability

5

- Explore mean, median, and standard deviation
- Understand distributions: normal, binomial
- Conduct tests: Hypothesis, ANOVA, Chi-Square
- Use AI tools for automating analysis & reporting
- Explain stats insights using GenAI

Machine Learning

6

- Supervised Learning: Linear & Logistic Regression, Classification
- ML Algorithms: Decision Trees, Random Forests, KNN, SVM, Time Series
- Unsupervised Learning: K-Means, Hierarchical Clustering, PCA, MBA, RFM
- Evaluate Models: Confusion Matrix, ROC-AUC, MAE, RMSE
- Model Tuning: Cross-Validation & Hyperparameter Optimization
- Build end-to-end ML pipelines with scikit-learn
- Explain model behavior using SHAP & LIME
- Auto-generate ML Code & pipelines using GenAI (ChatGPT, Gemini)
- Prompt-driven model suggestions with Jupyter AI

Power BI & Tableau

7

- Import & transform data using Power Query & Joins
- Build data models & define relationships
- Create Visuals: Bar, Line, Maps, KPI Cards
- Write formulas using DAX & Tableau Calculations
- Design interactive dashboards with Filters & Drilldowns
- Publish & share reports across teams
- Generate Insight Narratives using GenAI using Copilot
- Natural Language Queries (Q&A) & AI Chart suggestions

Program Curriculum

Model Deployment

8

- Deploy models using Flask & Gradio
- Build ML apps with Streamlit
- Launch models on AWS (EC2, SageMaker)
- Integrate HuggingFace & deploy DL solutions

Deep Learning & AI

9

- Learn neural nets, activation functions, optimisers
- Build CNNs for image classification (Keras, TensorFlow)
- Apply RNNs & LSTMs for sequence data
- Use BERT, GPT, YOLO for NLP & Vision tasks
- Design DL models with GenAI & prompt engineering

Generative AI for Data Professionals

10

- Learn about LLMs & their applications
- Use tools like ChatGPT, Bard, Claude, and Copilot
- Automate summaries, reports & translations
- Build AI chatbots using RAG & storytelling bots
- Create auto-insight generators

Project Bootcamp

- Collaborate on real-world projects in a group setting
- Present your solutions and receive real-time feedback from industry experts
- Engage with real-world case studies and group discussions
- Get industry-ready through mock interviews and practical exposure

Tools and technologies covered

Programming Languages

python™

MySQL

Data Handling & Processing

Excel

EverSQL by aiven

Data Visualisation

+ableau

Power BI

Cloud & Deployment

aws

Flask

gradio

Streamlit

Generative AI & LLMs

ChatGPT

Gemini

Claude

Copilot

AI Development Tools

Hugging Face

Jupyter

Industry Projects

Apply your skills to real-world challenges through industry-aligned projects.

Credit Card Approval Prediction

- Build a predictive model to analyse if the credit card will be approved for a customer.
- Understand how the banking industry uses ML for Risk Analysis.

E-commerce Customer Segmentation

- Build a predictive model to group customers with similar interests.
- Learn how the e-commerce industry uses machine learning to analyse customers to serve them better.

Customer Lifetime Value Prediction

- Build a model to analyse customer transaction data to understand the Customer Lifetime Value.
- Learn how the retail industry uses the RFM model to ensure customer satisfaction.

Industry Projects

Apply your skills to real-world challenges through industry-aligned capstone projects.

Human Emotion Recognition

- Use Computer Vision techniques to build models to analyse images and predict emotions on human faces.

- Understand how to work on image data processing and how the ComputerVision field works.

Fake News Prediction

- Use NLP techniques to analyse the textual data and classify whether a news article is real or fake.

- Understand how the NLP fieldworks and learn how to work with unstructured textual data.

Stock Market Analysis

- Implement different Power BI features to create a visual dashboard that analyses stock price data for Amazon, Google, Apple and IBM.

- Understand how market research teams use BI tools to analyse and interpret market trends.

Note: Project names shared are indicative, and we keep updating this as per industry demand

Learn under expert guidance

Learn from industry leaders shaping Data and GenAI,
and master skills through practical, real-world guidance.

Karthik C
VP – Data science Training | Ex-Amazon

Karthik is a GenAI and NLP expert with 12+ years of experience at Mu Sigma and Amazon. A former Head of Alexa AI Knowledge (ANZ), he has trained 7K+ learners and spoken at TEDx and global AI summits. His approach blends technical rigour with business relevance.

Nikita Tandel
AVP – Analytics Faculty Head, Imarticus Learning Pvt. Ltd

With over 7.5 years of experience and a Master's in IT, Nikita leads the data science faculty at Imarticus. She has trained 10,000+ professionals in Python, ML, and deep learning. A certified SAS Developer, she bridges classroom learning with industry execution.

Madhu Kiran S
Consultant/Trainer – Data Science, Business Analytics & Marketing Research

With 15+ years in analytics at firms like AOL and Oracle, Madhu brings a blend of industry depth and academic excellence. He has trained over 1,000 learners, focusing on real-world application and critical thinking. He holds a Master's in Data Science from the University of Texas.

Advanced Data Science Projects by our Learners

Conversational AI Chatbot

Deployed a real-time, document-aware chatbot using LLMs with scalable backend and robust response handling.
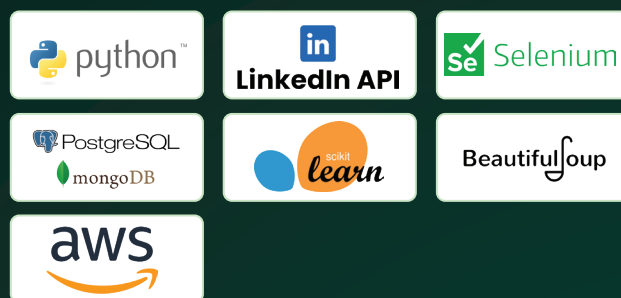
Tools/Frameworks Used

- LLAMA 2
- MISTRAL AI_
- LangChain
- chroma
- AWS/EC2
- Hugging Face
- POSTMAN
- Flask
- mongoDB

Placement Tracking & Insights System

Built a platform to track student placement outcomes and job trends using scraping and predictive analytics.

Tools/Frameworks Used

- python
- LinkedIn API
- Selenium
- PostgreSQL / mongoDB
- scikit learn
- BeautifulSoup
- aws

AI-Powered Resume Reviewer

Created a 24/7 accessible resume feedback engine with ATS-focused, role-specific, and grammar-enhancing suggestions.

Tools/Frameworks Used

- Python
- LLMs for NLP
- Pegasus Integration
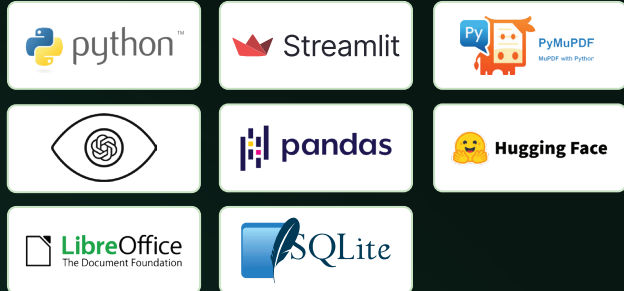- Web Frontend
- Structured DB
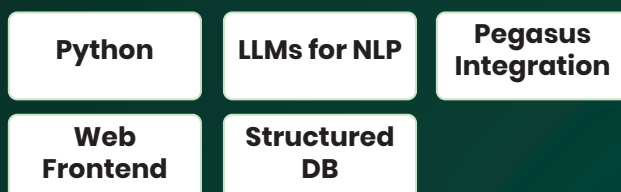
Advanced Data Science Projects by our Learners

Retail Query Assistant

Engineered a tool to extract structured insights from diverse file formats using vision-based and text-based AI.
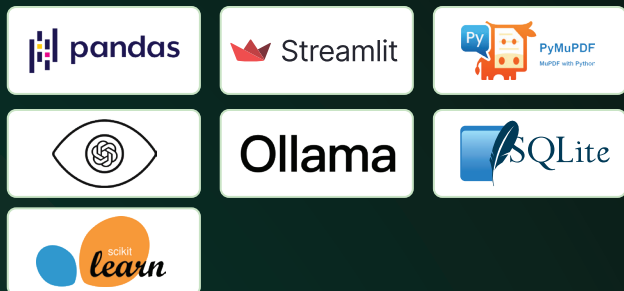
Tools/Frameworks Used

python	Streamlit	PyMuPDF MuPDF with Python
(OpenAI vision)	pandas	Hugging Face
LibreOffice The Document Foundation	SQLite	

Sales Enablement Assistant

Enabled data-driven pitch support with region-wise insights, FAQs, and document-based real-time responses.

**Tools/Frameworks Used**

pandas	Streamlit	PyMuPDF MuPDF with Python
(OpenAI vision)	Ollama	SQLite
scikit learn		

AI Interview Simulation Platform

Created a 24/7 accessible resume feedback engine with ATS-focused, role-specific, and grammar-enhancing suggestions.

Tools/Frameworks Used

Python	LLMs for NLP	Pegasus
Real-Time Feedback Engine	Speech-to-Text	Resume/Job Description Parsing
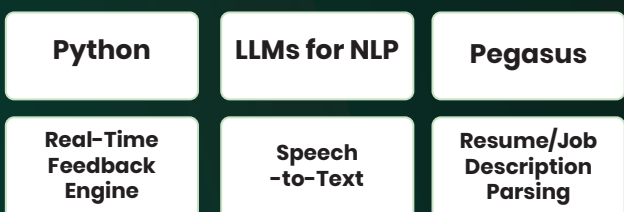
Note: These are Projects completed by our learners as part of the data science consulting club.

Industry-ready skills for your career growth

Gain practical expertise through focused training and personalised preparation.

Career Counselling
Get personalised guidance and actionable plans designed to help you move your career forward with clarity and confidence.

Aptitude Training
Excel in employer aptitude tests with our targeted problem-solving training.

Build your proof of Work
Build a standout portfolio to differentiate yourself from prospective employers.

Interview Preparation
Learn to crack interviews with mock sessions and expert feedback.

Job Placement
Get a minimum of 10 interview opportunities to kickstart your career.

Roles you can step into

17k+
Job Openings

Analytics Manager
Designs and oversees efficient strategies for data collection, research, and analysis, and implements analytics solutions to improve a company's products or services.

15k+
Job Openings

Research Analyst
Analyses market and financial data, employing quantitative skills to summarise findings for project alignment.

12k+
Job Openings

Data Analyst
Translates complex data into strategic insights, using BI tools to support decision-making and streamline business operations.

10k+
Job Openings

AI/ML Researcher
Innovates in AI/ML algorithm development for speech and recommendation systems, prototyping and collaborating globally.

7.2k+
Job Openings

Machine Learning Engineer
Develops, designs, and optimises models with data engineers, applying techniques for high-performance systems.

5k+
Job Openings

Data Scientist
Focuses on feature selection, classifier optimisation, data mining, and presenting clear analytical results.
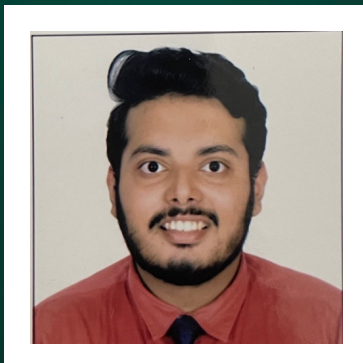
Career Transitions

Shagnik Mitra

CUEMATH ➢➢➢ **SWIGGY**

Data Analyst → Business Analyst

13 LPA

Atharva Kate

Fresher ➢➢➢ **NVIDIA**

Prompt Engineer

6 LPA

Katabathina Jyoshnavi

Fresher ➢➢➢ **STATE STREET**

IT Apprentice

5.4 LPA

Career Transitions

Penukonda Shanmukha

Fresher → sagility
Data Scientist

5.8 LPA

Akash Goel
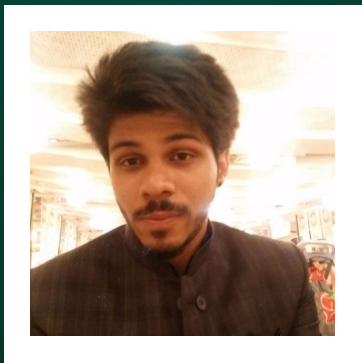
Salasar Enterprises → magicpin
Data Analyst → Business Analyst

5.3 LPA

Gunjan

Fresher → UNEECOPS BUSINESS SOLUTIONS
Trainee

4.5 LPA

What our learners have to say

Know how our industry connections and career support helped them land roles in top firms.

Shubham K. Sahu
Associate Consultant

Capgemini

Imarticus Learning was crucial in my transition from an electronic development engineer to the data science domain with its well-structured training curriculum. The faculty, especially Utkarsh Sir, explained complex algorithms most simply, making them easy to grasp. The mock interviews were invaluable, helping me identify areas for improvement and boosting my confidence for actual interviews. I am truly overwhelmed by their continuous placement support, including resume assistance, soft skills sessions, and interview scheduling. I am grateful for their unwavering guidance throughout my journey.

Deeksha Sharma
Data Scientist

Capgemini

I am so thankful to Imarticus Learning for helping me secure a position at Capgemini. The training was thorough, current, and designed to address industry challenges. The faculty was knowledgeable and supportive, making complex concepts easily grasped through interactive teaching methods. Furthermore, the exceptional placement support guided me through every step of the job search process, including resume building and interview preparation. Their dedication gave me the confidence to succeed. I highly recommend Imarticus Learning to anyone looking to advance their career prospects.

Akshat Sharma
Data Analyst

Flipkart

I had an exceptional learning experience at Imarticus Learning. The training was comprehensive and well-structured, and Gaurav Sir's teaching style was outstanding, making complex topics easy to understand. The placement support was equally impressive. Divyansh Sir provided invaluable guidance throughout the placement process, which ultimately helped me secure a top placement. Imarticus Learning gave me the skills and confidence needed to advance my career. The overall experience was enriching, and I am genuinely grateful for the support and knowledge I received.

Sushmitha Amirishetty
Analyst

Cartesian

The Data Science and Analytics with GenAI program at Imarticus Learning provided me with a perfect blend of theoretical knowledge and practical experience, helping me enhance my skills. Dhananjay Sir's expert guidance and valuable insights made the learning process smooth and engaging. His ability to simplify complex concepts was invaluable. Imarticus Learning's excellent placement assistance also ensured that I secured a job with a reputable company in no time. I am grateful for the mentorship and support throughout the journey and highly recommend the program to anyone looking to build a successful career in Data Science.

Honey Punamiya
PowerBI Developer

Capgemini

I am so happy that I enrolled and completed the Data Science and Analytics with GenAI postgraduate program from Imarticus Learning; the program exceeded my expectations. Irfan Sir's exceptional training simplified complex concepts, making the learning process engaging and practical. Sameer's seamless coordination of placement activities ensured that I felt fully supported throughout the program. It provided an ideal balance of technical knowledge and real-world applications, giving me the confidence to succeed in the industry. Completing this program has been a transformative experience, and I highly recommend Imarticus Learning to anyone looking to build a career in data science and analytics.

Piyush More
Python Data Analyst

MSCI

My experience with Imarticus Learning was incredibly positive. The training provided a solid foundation in the subject matter, with a curriculum designed to meet industry standards. The faculty was highly knowledgeable and supportive, always available to clarify doubts and guide us through challenges. The placement support was outstanding, offering personalised guidance, resume building and interview preparation, which gave me the confidence to explore job opportunities effectively. Imarticus Learning equips its learners with the skills and resources needed to succeed, making it a fantastic choice for career growth.

What sets this program apart

Learning Experience	With Imarticus	Others
Industry Readiness	**6–10 month, hands-on, job-focused curriculum**	Longer, theory-heavy, fewer job outcomes
Placement Support	**500+ hiring partners, dedicated team**	Limited help, mostly generic job portals
Classroom Learning	**300+ hours live + offline, doubt-clearing**	<200 hours, self-paced, minimal support
Data Science and AI Studio	**Exclusive hands-on ecosystem with real projects & challenges, internships, and masterclasses**	limited exposure to live industry challenges or experiential learning
Project Bootcamp	**Real-world projects with expert mentors**	Generic projects, no expert guidance
Advanced Data Science & AI Consulting Club Internships	**Advanced consulting club + internships**	Basic projects, little or no internship
Data Science Competition	**National level competitions to build credibility**	Rarely any industry-recognized contests
Hackathons and Blogathons	**National level Hackathons & Blogathons with real challenges to showcase skills**	Limited or no access to hackathons or blogathons
Dedicated Program Manager	**Personal manager for progress & issue resolution**	Limited, inconsistent, often automated
Personalised Mentorship	**1:1 mentorship with industry experts**	Generic, little or no personal support
Job Prep Live	**40+ hours of resume, interview, and job prep**	<10 hours, generic or self-paced
GenAI Coverage	**Expert-led live GenAI sessions**	Self-paced videos, minimal interaction
Assessments & Grading	**Industry-level assessments to validate skills**	basic, lacks real-world rigor
360° Learning Experience	**Holistic growth via live classes, projects & career support**	Fragmented learning with major gaps

Who Should Enrol for this Program?

Freshers and Early-Career Professionals (0–3 yrs)

Whether you're a fresher or an early-career professional, this program helps you build strong foundations, get hands-on with tools, and become truly placement-ready.

Ideal for students and professionals from:

- UG/PG students from STEM (Science, Technology, Engineering, Maths) or Economics backgrounds

- Candidates with >50% marks in UG/PG

- No education gap over 2 years

- Working professionals with ≤3 years of experience

Eligibility criteria for Job Assurance

- Final grades should be at least 60%
- Pass all Imarticus mock interviews and project evaluation
- Have an average attendance of at least 80% for each module
- Your present CTC must be below 4 LPA to be eligible for placement assurance.
- Demonstrate professional conduct throughout the course, meeting the standards set by Imarticus.

Program Certification

IMARTICUS
LEARNING

Certificate of Completion

Awarded to

Yasin Khatri

upon successful completion of the curriculum as prescribed by the Institute for

**Postgraduate Program in
Data Science and Analytics with GenAI**

N·S·D·C
National Skill Development Corporation
Transforming the skill landscape

Skill India
कौशल भारत - कुशल भारत

Nikhil Barshikar
Director

| Imarticus Learning Private Limited | September, 2020 | www.imarticus.org |

◆ Your certificate will feature an Exclusive QR code, offering instant access to detailed verification and authentication.

◆ Earn an in-demand Post Graduate Program in Data Science and Analytics with GenAI certificate upon completing this course, fortifying your professional profile.

Moments of Honour

A legacy of recognition and excellence.

Entrepreneur INDIA
'Best E-Learning Company Of The Year' Certification of Recognition

Successpreneur Awards 2021
Edtech Business of the Year Analytics

The Economic Times Best Education Brands
Best Education Brand in Analytics

eG
'Gyanodaya Godda' initiative bags Silver Award at the National E-governance Awards

Programme Fee

₹ 1,98,000*

(Inclusive of all taxes)

Instalment Schedule	
Registration fees	₹ 15,000
1st Instalment	₹ 70,200
2nd Instalment	₹ 56,400
3rd Instalment	₹ 56,400

*Zero-cost EMI is also available

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Scan to know more

For more information, contact us:

info@imarticus.com | www.imarticus.org