The Great Indian Campus by iViRTH presents

The Master's Program in AI, Machine Learning, Data Science & GenAI

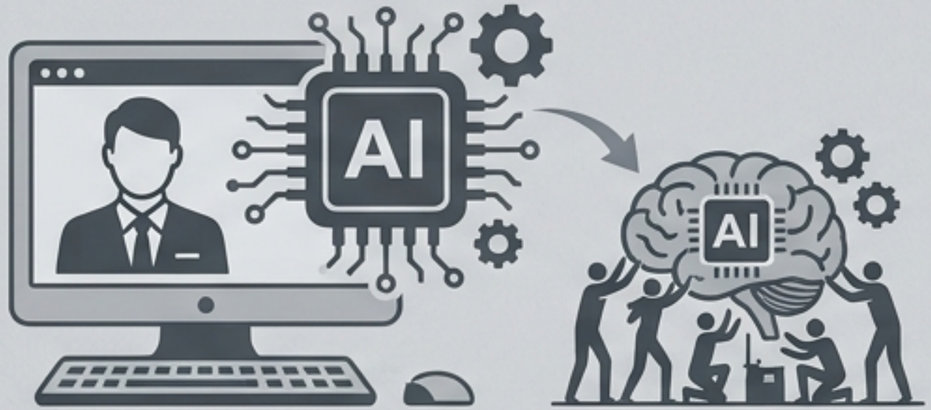
A complete blueprint to becoming an un-automatable tech professional.



Gemini Notebook

The Automation Shift

Traditional programming languages are increasingly augmented by automation. Companies are aggressively hiring professionals to build proprietary AI models to avoid getting left behind.



The Builder's Advantage

You won't be replaced by AI—you will control it. Shift from an ordinary user to an AI developer who designs intelligent workflows.



1. **2.3 Million**
   AI jobs by 2026-2027

2. **27%**
   of USA skills market demands AI

3. **76%**
   corporate satisfaction rate with AI adoption

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CAREER CHANGERS

Target: Retail, Hospitality, Teachers, Admin Staff

Trait: Visual Storytellers & Naturally Curious

Goal: Escape shift work for stable, high-paying corporate/remote roles.

UPSKILLERS

Target: Marketers, Product/Project Managers, Financial Analysts

Trait: Problem Solvers

Goal: Track ROI, back strategic decisions, transition from basic Excel to SQL/Python.

FRESH GRADUATES

Target: STEM and Non-STEM Majors

Trait: Ambitious

Goal: Bridge college theory with real-world employment via a portfolio-building curriculum.

No prior coding or tech background required. Logic and strategy drive the curriculum.

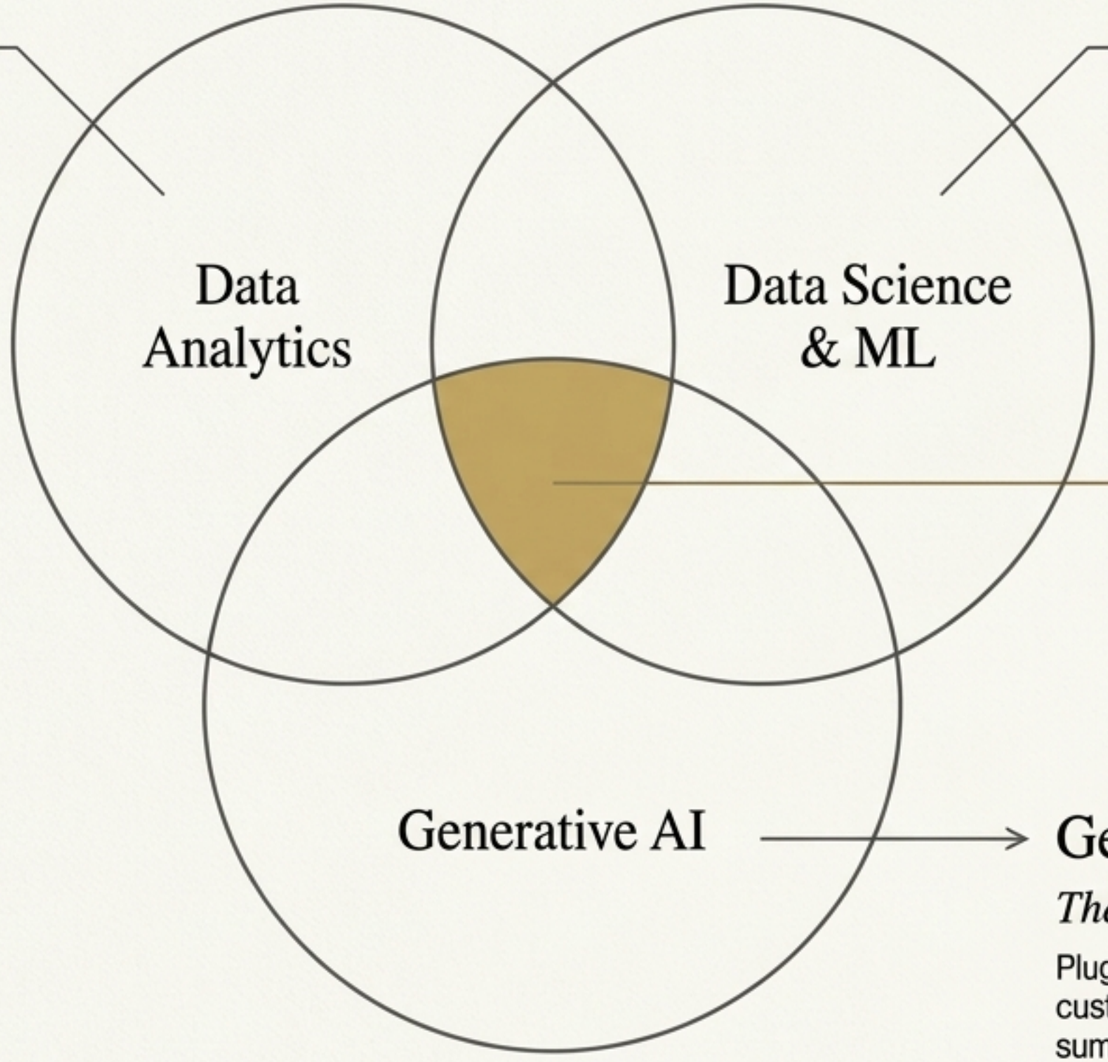
The AI/Data Ecosystem

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Data Analytics

The Analyst Look

Interpret the past using SQL and Power BI to optimize business operations. Transform messy numbers into actionable stories.



Data Science & ML

The Scientist Look

Apply advanced statistics and algorithms to forecast future trends, automate decisions, and build predictive tools.

Next-Generation Predictive Power

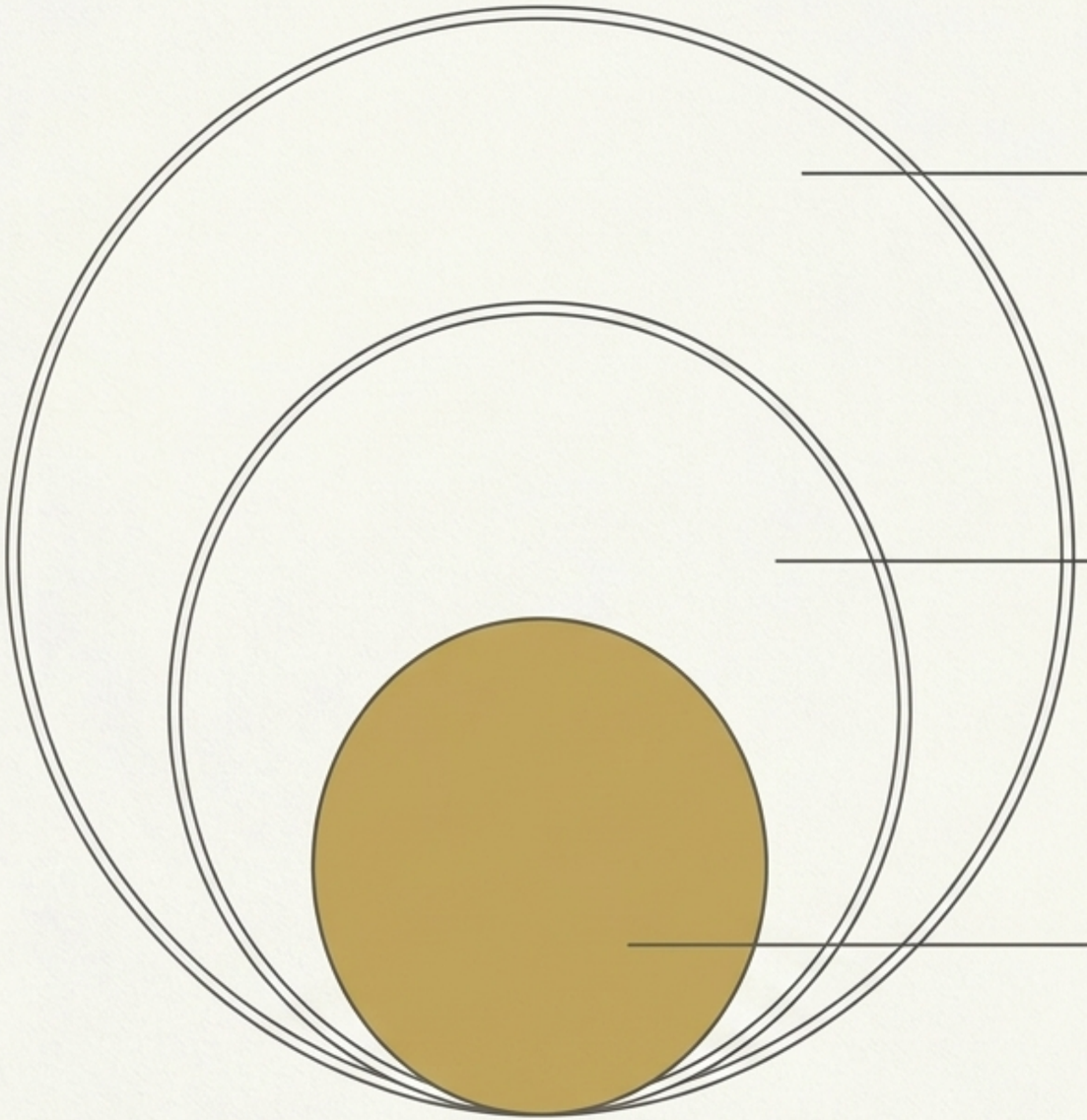
Triple your market value in a single portfolio. Turn unstructured corporate chaos into high-value automated workflows.

Generative AI

The Engineer Look

Plug enterprise data into LLMs to create custom automated tools that write code, summarize text, and generate novel solutions.

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Artificial Intelligence (AI)

The overarching simulation of human intelligence.

- Speech recognition
- Natural language processing
- Planning
- Problem-solving

Machine Learning (ML)

The engine of AI. Algorithms that learn from data without explicit programming.

- Classification
- Regression
- Clustering
- Recommendation systems

Deep Learning (DL)

The deepest architecture.
Multi-layered artificial neural networks.

- Complex decision-making
- High-level abstraction
- Computer vision

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Traditional Data Work

- Requires months of memorizing rigid syntax.
- Tedious manual data wrangling.
- Predicts simple numbers and trends.

The GenAI Data Professional

- ✓ GenAI as Co-Pilot: AI writes, debugs, and optimizes Python/SQL in seconds.
- ✓ Instant Cleaning: AI handles missing values and formatting automatically.
- ✓ Advanced Capabilities: Builds sentiment trackers, smart chatbots, and text-mining models.

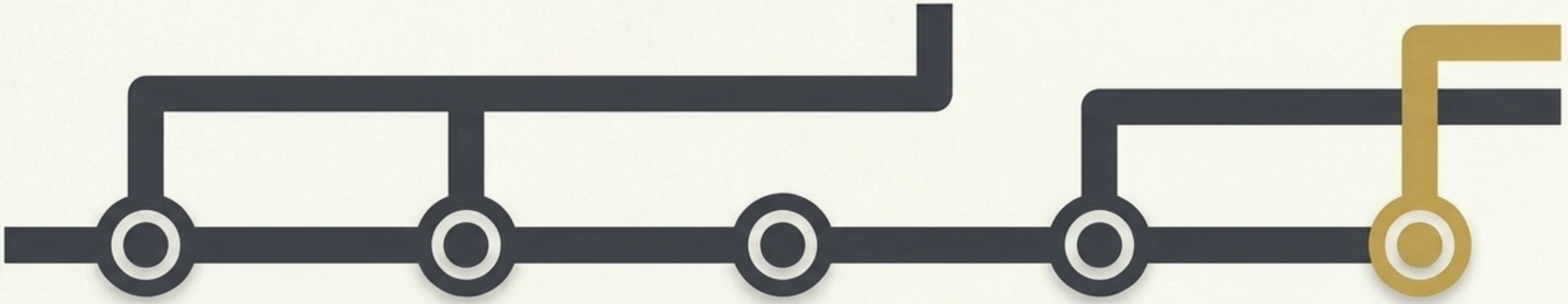
Spend 90% of your energy on logical thinking and business strategy, rather than fighting syntax errors.

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	Old Learning Methods	The iViRTH Mentorship Program
Instructors	✕ Facilitators with little or no industry exposure.	✓ Expert mentors with active, high-level industry experience.
Format	✕ Impersonal, transactional lectures; outdated curriculum.	✓ Highly personalized 1:1 mentorship; industry-vetted curriculum.
Application	✕ Theoretical; skills rarely transfer back to actual work.	✓ 100% Practical & project-driven learning.
Support	✕ No recordings; limited interaction post-event.	✓ 2 Years free LMS Access to exact class recordings; continuous follow-up and iteration.

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The 67-Module Syllabus, Distilled.



Data Foundations

Excel, Stats, SQL, DB Architecture

Advanced Analytics

Python, PowerBI, EDA, Wrangling

Machine Learning

Supervised/ Unsupervised, NLP

Deep Learning & AI

Neural Networks, OpenCV, Cloud Computing

GenAI & Deployment

LLMs, Vector DBs, Prompt Engineering, GitHub, Agile

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Phase 1: Data Foundations
(Modules 1-8, 21)



Core Concepts
- Descriptive & Inferential Statistics
- Probability
- Relational Databases
- Dimensional Modeling



Key Tools
- Advanced Excel (Pivot Tables, VLOOKUP, Goal Seek)
- PostgreSQL

Phase 2: Advanced Analytics
(Modules 9-20, 22-31)



Core Concepts
- Data Wrangling
- Exploratory Data Analysis
- DAX Expressions
- Report Deployment



Key Tools
- Python (Pandas, NumPy, Matplotlib, Seaborn)
- Power BI (Dashboards, Cloud Architecture, Power Query)

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Phase 3: Machine Learning
(Modules 39-46)

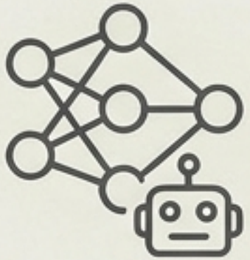


Core Concepts
- Supervised vs Unsupervised Learning
- Text Mining
- Classification
- Clustering



Key Algorithms
- Linear/Logistic Regression
- K-Means
- Decision Trees
- Random Forest
- KNN

Phase 4: Deep Learning & AI
(Modules 47-62)



Core Concepts
- Artificial Neural Networks
- Computer Vision
- Object Detection
- Activation/Loss Functions
- Gradient Descent

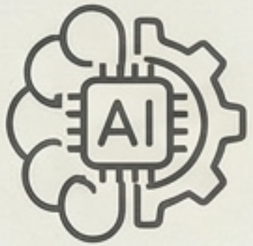


Key Tools
- OpenCV
- PyTorch, Keras
- TensorFlow Lite
- Cloud Platforms (AWS, Azure, GCP)

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Phase 5: GenAI & Model Deployment

(Modules 32-38, 63-67)



The GenAI Stack

- Large Language Models (LLM)
- GPT Architecture
- Vector Databases
- Prompt Engineering
- Fine-Tuning Google APIs



Deployment & Operations

- Model Serialization (Pickle/Joblib)
- Streamlit Web Apps
- Google Colab (GPU processing)



Professional Workflows

- Version Control (GitHub)
- Agile Methodology (SDLC, Jira)

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The comprehensive, job-ready technical arsenal.

Core Programming & Data

- Python
- SQL
- Excel
- Pandas
- NumPy

Analytics & Visualization

- Power BI
- Matplotlib
- Seaborn

Machine Learning & AI

- Scikit-Learn
- PyTorch
- TensorFlow
- Keras
- OpenCV

GenAI & Infrastructure

- ChatGPT (LLMs)
- Vector DBs
- AWS / GCP / Azure
- GitHub
- Streamlit
- Jira

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Data Scientist & Analyst

Analyzes complex datasets to extract actionable business insights and predicts future events.

SQL | Python | Power BI | Statistical Modeling

Machine Learning Engineer

Scales theoretical models into production systems; builds recommendation engines and fraud detection.

Scikit-Learn | PyTorch | AWS SageMaker

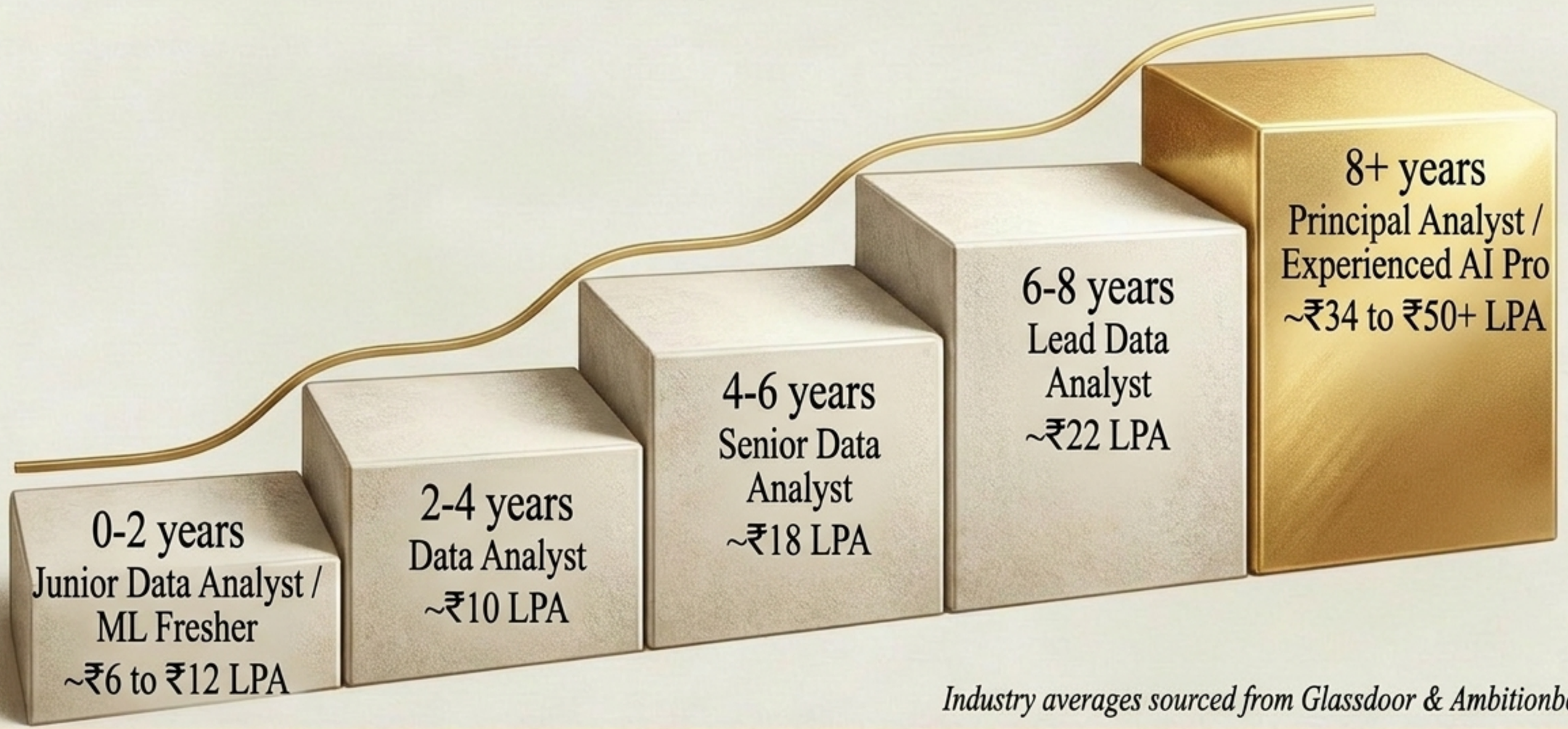
GenAI / NLP Specialist

Plugs enterprise data into LLMs; builds sentiment trackers and automates text/visual workflows.

GPT Models | Vector Databases | Prompt Engineering

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Salary Staircase



Industry averages sourced from Glassdoor & Ambitionbox.

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"We help you understand your strengths and provide practical support from resume writing to final interviews."

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Backed by Strategic Partners and Recognized by Government Innovation Initiatives.

Recognized by

DPIIT

Department for Promotion of Industry and Internal Trade

N·S·D·C

RE IMAGINE FUTURE

Navachar

Incubation Centre

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Let us build your Data Analytics & AI Career Brighter!

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