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Gen AI Essentials

"An 16 - Hour Masterclass to demystify AI, uncover its true potential, and evaluate where your organization stands on the AI readiness journey."

15000+ Happy Students

Best in Online & Offline Training Experience

Industry Recognized Expert Mentors

Program Curriculum

Lesson 1
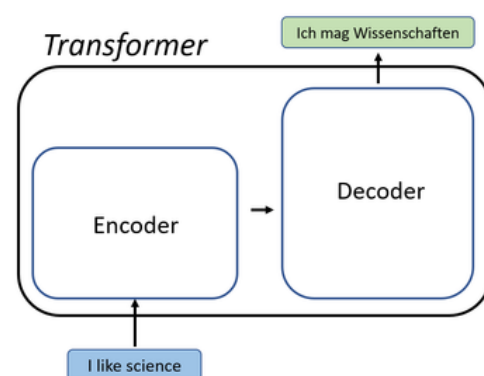
Introduction to Generative AI

- What is Generative AI?
- Evolution: From Machine Learning to Generative AI
- Key Concepts: Generation vs. Prediction

Lesson 2

How Generative AI Works

- Understanding Neural Networks: The Foundation of Generative AI
- Key Architectures:
- Variational Autoencoders (VAEs)
- Generative Adversarial Networks (GANs)
- Transformer Models (e.g., GPT, DALL-E)
- The Role of Training Data

Lesson 3

Real-World Applications of Generative AI

- Content Creation: Text, Images, Videos, and Music
- Chatbots and Virtual Assistants (e.g., ChatGPT)
- Product Design and Prototyping
- Data Augmentation and Synthetic Data

Lesson 4

Generative AI in Business

- Identifying Opportunities for Generative AI in Your Organization
- Tools and Platforms: OpenAI, Hugging Face, and More
- Case Studies: Industry Success Stories

Lesson 5

Ethical Considerations in Generative AI

- Identifying Opportunities in Your Organization
- Tools and Platforms: OpenAI, Hugging Face, and More
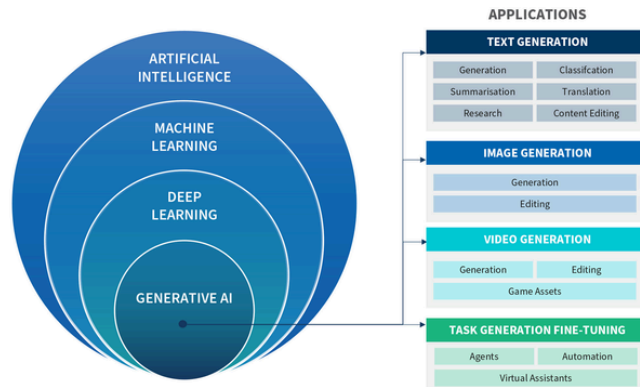- Case Studies: Industry Success Stories

Program Curriculum
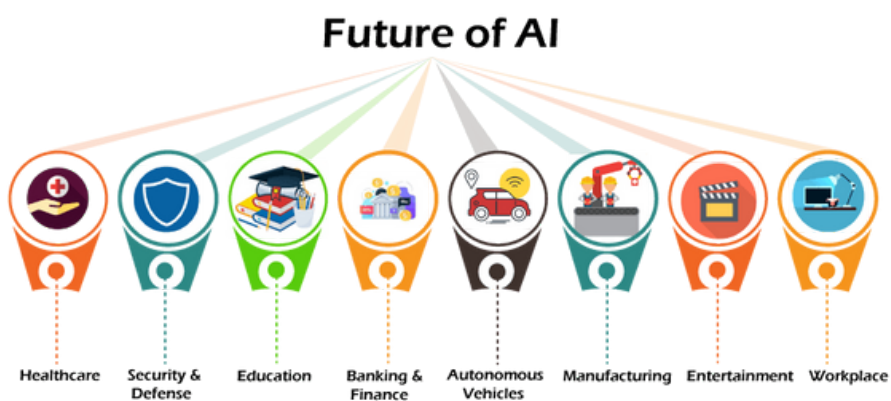
Lesson 6

Building with Generative AI

- Hands-On Exercises:
- Creating Text with GPT Models
- Generating Images with DALL-E or Stable Diffusion
- Fine-Tuning Models for Business Use Cases
- APIs and Integration into Workflows

Lesson 7

Challenges and Future of Generative AI

- Identifying Business Needs
- Building AI-Driven Teams
- Pilot Projects and System Integration
- Ethics and Challenges in AI
- Data Privacy and Compliance
- Black-Box Models and Accountability

Lesson 8

The Future of AI

- Trends in AI Development
- Integration of AI with Emerging Technologies

Lesson 9

Conclusion

- Key Takeaways from AI in Business
- Steps for Continued Learning

CERTIFICATE OF ACHIEVEMENT

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CERTIFICATE

OF ACHIEVEMENT

PROUDLY PRESENTED TO

Name Surname

HAS SUCCESSFULLY COMPLETED THE ONLINE COURSE

GenAI Essentials

He/She has excelled at GenAI Essentials by successfully completing all the assignments & modules associated with the program.

BEST AWARD

AUTHORIZED SIGNATORY

DATE:

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OUR TESTIMONIALS

Pooja Patel
1 review

★★★★☆ 5 days ago NEW

Under Tarun's guidance, I had learn SQL, and his explanations are exceptionally clear. If you're keen on mastering SQL concepts, I highly recommend considering DataMantra.

Shubham Parashar
59 reviews · 22 photos

★★★★★ a week ago NEW

I have taken online training on SQL from Data Mantra. Course content is very relevant and practicals focused. Trainer is well versed in industry requirements thus training imparted is good to start working on industry projects.

arpit sharma
3 reviews

★★★★★ a week ago NEW

Participating in Data Mantra Course was truly enriching. The curriculum was meticulously designed, encompassing crucial concepts and techniques essential for excelling in SQL and Tableau, Alteryx, python, power bi. Mr. Tarun, the instructor, demonstrated exceptional expertise and offered outstanding support throughout the course.

Vishal Kumar
2 reviews · 13 photos

★★★★★ a week ago NEW

Learning SQL from datamantra is such a great experience.

Neelesh Gupta
9 reviews

★★★★★ 4 days ago NEW

Tarun hands on experience in machine learning is biggest advantage for students learning from him , he explain the concepts in depth and make sure to resolve each and every doubt of his students , I will refer him to increase your ML understanding

Naman Singh
4 reviews

★★★★★ a week ago NEW

It was an incredibly enriching experience with Data mantra. The curriculum was well-structured and comprehensive, covering all the essential concepts and techniques needed to excel in both SQL and Tableau. The instructor Mr. Tarun were highly knowledgeable and provided excellent support throughout the course.

Vineet Raina · 1st
Business Analyst at CandorWorks | Certified Business Analys...
1yr ·

It gives me immense pleasure to share that I have graduated from the Master's Program in Business Analysis from Simplilearn by completing all the mandatory courses which were part of the curriculum.
I thank Simplilearn and my course instructors Vaibhav Pandey, Tarun Sachdeva & Vaibhav Rajvanshi for conducting the training.

Aditi Nath
1 review

★★★★★ a week ago NEW

I had a great experience studying SQL at Data Mantra, especially with the teaching style of Tarun sir. The curriculum is exceptionally easy to grasp, and unique teaching method makes it even simpler to comprehend concepts ranging from basic to advanced levels. He use of real-life examples enhances understanding and real life application. Highly recommended for anyone looking to master SQL effectively💯.

Kumar Saurav · 1st
Data Analyst
8mo ·

I'm bursting with excitement to share that I've just completed the Complete SQL Mastery offered by Jobaaj Learnings.
This course was packed with valuable information. Thankyou Jobaaj Learnings and Tarun Sachdeva for providing this wonderful course.

Vaibhav Srivastava · 1st
Aspiring Data Analyst | Advanced Excel, Python, SQL , Googl...
7mo ·

Dear Friends very happy on sharing this Gold Badges in Hacker Rank SQL

Very very thanks to Rakshit Vig Sir and Tarun Sachdeva Sir for making such kind of value for me

MEET YOUR TUTOR

I am based out of **Belgium**, working as Freelancer across the world as I completed my post graduation **MSc in Data Science and AI from Top College of Europe - EDHEC Business School, France**, and I love to make new relationships across the world. In the meantime, I love to write about my travel experiences and blogs on Medium.

With nearly 10 years of diverse professional experience spanning the Finance, Manufacturing, Retail and Telecom sectors, I have honed my skills and expertise in various aspects of data analysis.

Being T**ableau/ Power B**I my first love, I am an expert in extracting and transforming data efficiently through **SQL** and utilising ETL tools like **Alteryx**. Furthermore, I have great knowledge of **Machine learning & Deep Learning algorithms too.**

My recent role was Senior Financial Data Analyst in Credit & Risk Controllership at American Express. I am a Freelancer now and love to teach the students.

Tarun Sachdeva
AI & Data Science Consultant

Founder DataMantra, Instructor
LinkedIn

Are you ready to take the next step in your career and join our hands-on training program?

Rs 49999/-   Euros 699/-

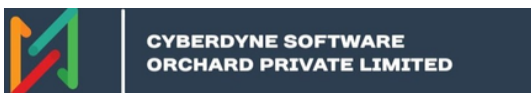**Pay via QR Code**   **Pay Now - in Euros**

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OUR VISION

Help & Guide students globally with innovative, personalized education for empowered learning and especially in changing the Domain.

OUR MISSION

Empowering individuals worldwide, our mission is to provide accessible and top-quality education, fostering skills that drive career success and personal growth.

OUR STORY

Our story is one of dedication to shaping futures, breaking barriers, and creating a dynamic and easy learning environment for every student and Corporate professionals

+91-9761777997 (Whatsapp)
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