USE CASE
Getting started with your first Generative AI Use Case

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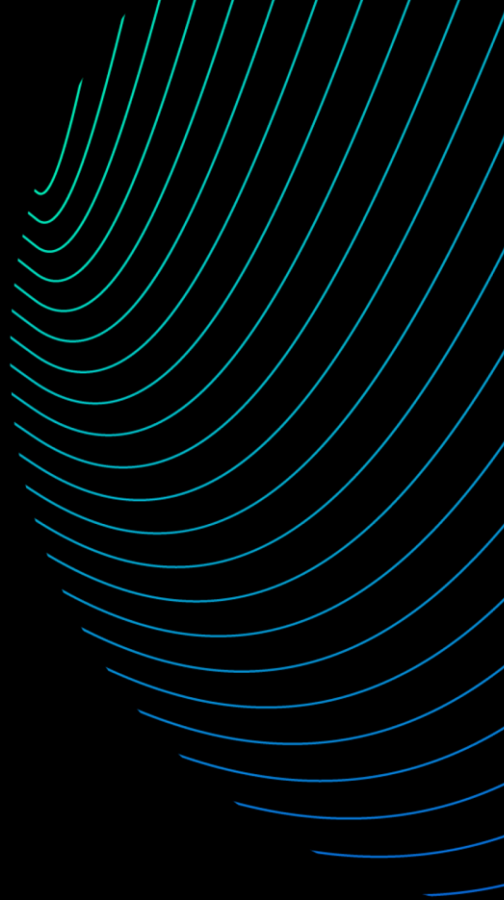Senior Data Scientist
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AI in Health

Accurate Diagnoses

AI brings heightened accuracy and speed to medical imaging interpretations, aiding in the detection of conditions at an early stage and improving patient care.
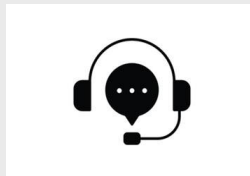
Personalized Treatments

By analyzing diverse patient data, AI tailors treatment plans to individual characteristics, leading to more effective interventions and minimizing adverse effects.

Swift Drug Discovery

AI expedites drug discovery by predicting potential drug candidates and simulating their effects, drastically reducing the time it takes to bring new medications to market.

Virtual Health Assistants

AI-powered virtual assistants provide continuous patient support, answering inquiries, delivering medication reminders, and remotely monitoring vital signs.

Predicting Health Trends

Through analyzing vast amounts of healthcare data, AI can forecast disease outbreaks and patient readmissions, allowing healthcare providers to allocate resources more efficiently and respond proactively to potential health crises.

This page was created by GenAI and reviewed by a human expert!

Behind the Scenes

There is a lot of unstructured information and interactions behind the scenes which can be improved by usage of AI:

- Accuracy
- Speed
- Feasibility

Admin

Processing and categorizing administrative documents

Fact-checking documents for correctness and completeness

Discovery

Finding the relevant pieces of information for specific cases from different sources

Finding answers efficiently in an ocean of unstructured and cluttered textual data

Aggregation

Getting overall understanding of ongoing trials from scattered reports combining HCP insights, clinical data, laboratory data etc

Combining simultaneously pros and cons of treatments from scientific studies

This talk's spoiler:

Get answers to your questions securely substantiated by data

Unit8 in a nutshell

Turning data into value

Unit8 is a leading Swiss **data services company** with a mission to help non-digital native companies transform data into value with a mix of data science, analytics, and AI. **With a strong focus on pharma and healthcare.**

FINANCIAL TIMES | 1000 EUROPE'S FASTEST GROWING COMPANIES 2022 statista

Selected Clients

DAIMLER MERCK Firmenich

medgate_ CHUV Centre hospitalier universitaire vaudois STG

TECAN. helvetia Swiss Re

Unit8

unit8.com

Key facts:

- Established in 2017
- 110+ employees and growing
- 5 locations: Zürich, Lausanne, Bern (Switzerland) and Krakow, Wroclaw (Poland)
- 135+ data & AI projects completed

We operate at the intersection of technology and business to accompany our customers at every step of their data & AI journey
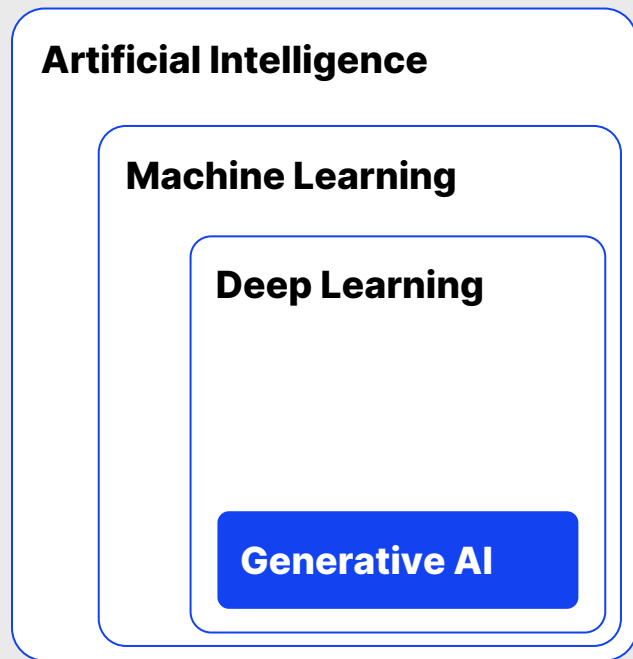
Services portfolio:
- Data & AI Consulting
- Data & AI solutions
- Data & AI platforms
- Data & AI Operations
- Data & AI Academy

Key Partners

Microsoft aws Palantir data iku

digitalswitzerland doi data innovation alliance

digital natives

What is Generative AI?

Artificial Intelligence

> **Machine Learning**
>
> > **Deep Learning**
> >
> > > **Generative AI**

1956 — **Artificial Intelligence**
The field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence

1997 — **Machine Learning**
Subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions

2017 — **Deep Learning**
A machine learning technique in which layers of neural networks are used to process data and make decisions

2021 — **Generative AI (e.g. ChatGPT)**
Create new **written**, visual, and auditory content given **prompts** and **given data**

A growing number of companies are making use of GenAI and many are implementing their own use cases as we speak

Generative AI Projects where Unit8 is involved in **(health and pharma domain)**

Global Pharma
Create a safe and in-house version of ChatGPT

Swiss Biotech
Q&A Assistant on internal Quality and R&D Documents

Swiss Medical Provider
Conversation summarization and entity extraction

Global Insurance
Extract information from vast, unstructured legal documents

Global Biotech
360-view and Q&A tools on drug trials

Swiss Pharma
'Chat' with internal, unstructured company data

Let's see it in action!

(Live Demo)

Search

Chat

Discover

Converse

Unit8 GenAI Accelerator

deploys the infra and code that powers your GenAI use-cases

- Start **delivering in days**
- A **secure** environment designed for data privacy
- **Expert know-how** built-in
- **Fully customizable** & open solution
- Offers **reusable building blocks** for **quick use-case** implementation
- **No license fee**

Unit8.

A scalable, secure and ready to use GenAI accelerator...

... Enabling a wide range of value-adding use cases...

... to help you benefit from GenAI in weeks, not months.

Scalable and secure GenAI infrastructure

Work Assistant

Document Q&A

Customer Chatbot

Call Center Analytics

Personalized Communication

Jumpstart

Deliver your f**irst prototype in a matter of days** with deployment of the Unit8 accelerator

Scale & Deliver

Reduce your time-to-delivery by +1 Month as you build on top of the accelerator

100+ projects

Secured and strong foundation built on the expertise of 100+ project in cloud, data & AI

Take home message

1

Human-in-the-loop

When utilizing AI systems, there is a potential temptation to disregard the significance of human-in-the-loop validation and fact-checking.

It is crucial to bear in mind that AI is merely another technological tool, intended to empower experts. Human experts continue to hold and will continue to hold the same substantial roles they possess today.

2

Ocean of data

You are most likely swimming in an ocean of data, with a large portion of it being unstructured and scattered. This data is very usable and valuable subject to the correct tools and technologies including Generative AI.

Benefit from the data you own, along the data publicly accessible, and take informed decisions, and accelerate your discoveries.

3

Partnership

Build up your internal skills as well as choosing the correct implementation partner. Be involved in the development process. Think about tailor-made solutions for your use cases to deliver targeted value securely and with high reassurance.

Unit8™

Thank you

Visit us in booth B54

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