

# Suitable Software Solutions

FUSE-AI develops customized AI solutions for your company that precisely meet your needs.

For this purpose, we work closely with you and analyze your requirements.

Contact us! We develop a tailored solution for you!



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Co-Founder, Head of Scientific and Medical Affairs

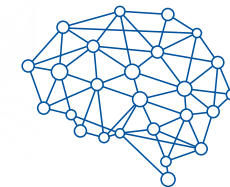


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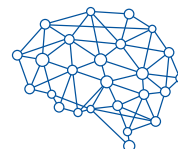


FUSE-AI

## Our Network



For more information about FUSE-AI



FUSE-AI

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YOUR SPECIALIST  
FOR ARTIFICIAL  
INTELLIGENCE AND  
SOFTWARE SOLUTIONS  
IN MEDICINE



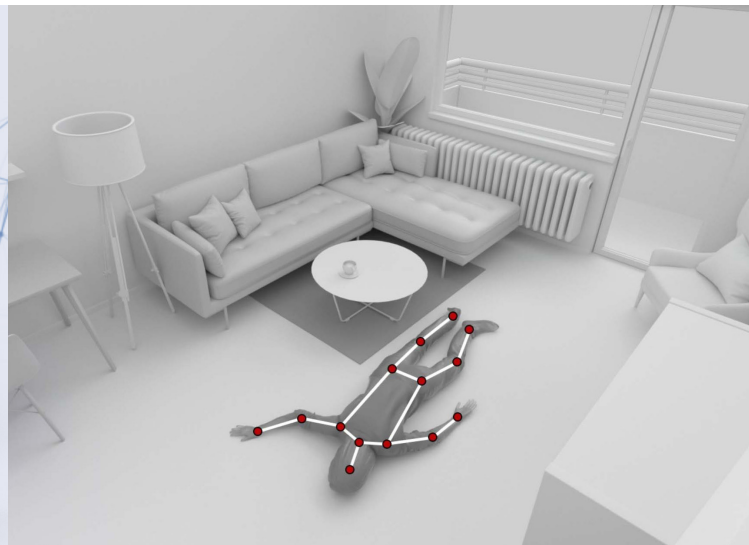
## App Development - DiGA

The European regulation for the approval of software as a medical device (**IEC 62304 and IEC 82304**) and especially for AI-supported software is associated with a particularly large amount of effort.

The companies, which are planning to launch their medical software products or their **medical digital solutions in the life science market in Europe**, often struggle to get an overview of the legal requirements for software as a medical device and the correct way to implement them. For application ("**mobile Apps**") as a medical device (SAMd) which wants to register as a **DiGA ("Digital Gesundheitsanwendung")**, needs the approval from the BfArM.

In this specific **certification pathway** we can support and consult in the medical application development and **certification of a software as a medical device associated to a DiGA registration**.

**We are your partner!**



## How our AI software detects accidents

*Our **2D and 3D detection** via cameras analyzes and calculates body postures and physical activities. Conspicuous movements such as **accidental falls or incorrect body postures are identified**, GDPR-compliant without video recording.*

Used as a complementary **safety system in nursing**, falls of people in their monitoring zone can be recognized. An integrated app then places an emergency call, so that the person who has fallen can be helped as soon as possible. The use of our AI in health care will decisively improve medical care and ensure greater safety.

In a therapeutic context, the intelligent software supports the correct execution of movements for example in **physiotherapy**. In this way, patients can directly adjust their posture and autonomously perform their training in a way that promotes health.

## Data Science Computer Vision

With increasing digitization, companies **have more and more information from different areas** of their own business at their disposal. This data can be analyzed in order to derive **added value for the company**. We offer consulting in the area of **Business Intelligence / Data Analysis / Data Science**, preparation of data for **further analyses, execution of data analyses for R&D, marketing and business intelligence**.

## AI in Bioinformatics

Today, **intelligent algorithms in bioinformatics** are the basis for progress in applied biotechnological research, **drug development and personalized medicine**. Our interdisciplinary team of biochemists, machine learning researchers and biologists is ideally **suited to your bioinformatics questions**.

We develop develop convolutional and deep neural networks (CNN / DNN), **carry out exploratory data analyzes, develop intelligent algorithms and use visualizations and computer simulations** to uncover new, previously unknown relationships **in biomedical data**.

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