

REVOLUTIONIZING SURGICAL AI: SOFTWARE DEVELOPMENT FOR HEALTHTECH

CLIENT'S PROFILE

Country: Romania

Size: 100+ employees

Industry focus: Software and hardware development for the HealthTech industry.

PROJECT GOAL

medDARE was hired to meet several goals. Firstly, the client needed to collect 50 hours of surgical videos from diverse geographies, focusing on specific pathologies and surgical contexts.

Then, these video frames were annotated by certified doctors, with focus on detecting and categorizing surgical instruments.

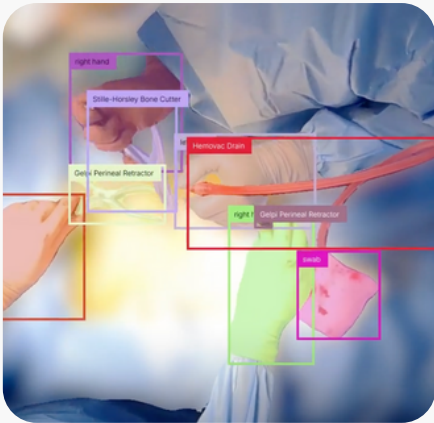
Lastly, as a result, the dataset was developed to train advanced AI algorithms designed to detect and analyze medical conditions and surgical environments.

PROJECT DESCRIPTION

Main project highlights were the following:

- Collection of 50 hours of surgical video frames from diverse geographies, focusing on specific pathologies and surgical contexts.
- Data was processed into standardized formats to meet technical requirements of the client.
- Expert annotation of surgical video frames was performed by certified doctors.
- Quality assurance ensured precision and reliability of the dataset.
- The dataset was developed to train advanced AI algorithms designed to detect and analyze medical conditions and surgical environments.

PROJECT WORKFLOW & TEAM ASSIGNED



THE WORKFLOW AND QUALITY ASSURANCE PROCESS AT MEDDARE LOOKED LIKE THE FOLLOWING:

- Each project phase was managed with attention to detail, ensuring flawless execution.
- Regular feedback sessions and quality assurance processes guaranteed data accuracy and alignment with project goals.
- Sourcing data from diverse geographies ensured wide representation and real-world applicability.
- Seamless coordination across all teams enabled efficient handling of this complex project.

PROJECT'S OUTCOME

The main results of our collaboration were the following:

- The entire project was successfully completed within the six-month timeframe.
- High-quality, expertly annotated datasets enabled the client to seamlessly advance their AI solution.
- medDARE empowered the client to develop cutting-edge AI products aimed at improving surgical precision and healthcare diagnostics.

This collaboration is a testament to medDARE's expertise in medical data collection and annotation, as well as their passion for empowering AI-driven healthcare innovations. We're proud to have contributed to advancing technology that enhances surgical precision and healthcare outcomes.



CONTACT US TO LEARN MORE ABOUT MEDDARE & HOW IT CAN TRANSFORM YOUR AI PROJECT

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