

## ML / AI ENGINEER POSITION

Company: IN4COM GmbH ([www.in4comgroup.com](http://www.in4comgroup.com))

Project AVICA (<https://avica.cloud>)

Languages: English / German

Work hours: Full-time / Part-time

Workplace: Hybrid (mandatory in-office hours / meetings)

Engagement: official employment in Austria (candidate should have EU citizenship or work permit in EU)

Applications contact address: in4 @ in4comgroup.com

Scope of work:

- Assist to develop a ML concept for the AVICA project
- Potential direction of the ML logic applications:
  - Video content analysis and scenes markup / classification, object identification and classification to create a rich scenes description model which can be used for video composition and storytelling
  - Soundtracks analysis with the same purpose (emotional and contextual annotation)
  - Texts (e.g. chats feed, comments feed, etc.) with the same purpose (emotional and contextual annotation)
  - Text-to-speech models for automated commentator's voice adding to videos
  - Advanced models like text to storytelling scenarios for video composition
  - Text-to-graphics generation models
  - Text-to-video generation models
  - AI avatars (predefined and with retargeting from real person)
  - Other AI tech for video effects and video generation.
- Technical aspects of selection, tuning, augmenting, and using of related ML tools in house and in cloud including tech to train with project specific data etc.
- Technical aspects of the integration of corresponding tools into platform business functions (along with back-end developers of the platform)
- Data preparation and model training assistance
- Results feedback collection and model tuning to improve performance and / or visual quality and attractiveness of the videos.

Would be a big plus to have the following skills / knowledge:

- Understanding of video processing and markup ideas
- Understanding of video storytelling concepts
- Be open-minded and follow modern trends in related AI / ML domains. Recommendations and ideas turned into product features.

IN4COM company has more than 15 years old history, initially specializing in telecommunications services and solutions (data warehousing, billing and customer care, frontend solutions, product information management, marketing tech) and since 2015 having the footprint also in such domains as government data management, product information management, operational effectiveness platforms, location-based entertainment, Esports and tournaments management, VR gaming etc.

You will join a small young team of the AVICA project and have an opportunity to grow and assume relevant technical or leadership positions according to your skills and goals as the company and project will grow.

AVICA project is supported by company owners and FFG (Austrian Research Promotion Agency) grant to provide a kick start for the product.