



AinoviQ IT LTD.

Think Again

Empowering the Future with AI Technology



Table of Contents

Overview

Mission

Vision

Goal

Target Markets

Products & Services



Overview

AinoviQ is a leading artificial intelligence startup that specializes in deep learning and computer vision. We leverage the latest technologies to develop innovative solutions that enhance the customer experience.

At the core of our work is our virtual try-on technology. This cutting-edge technology allows customers to try on clothes, accessories, and cosmetics in a virtual environment, providing them with a realistic representation of how the products would look on them. This revolutionary technology is changing the way people shop online, making it more convenient and enjoyable.

Our team of experts in deep learning and computer vision have also developed other solutions such as advanced image and video processing, object detection, segmentation and tracking, and more.

We aim to provide businesses with a unique and valuable service to improve customer satisfaction, increase sales and reduce return rates. We're constantly exploring new ways to apply our technology to different industries to help businesses excel.

At AinoviQ, we're dedicated to pushing the boundaries of what's possible with AI and computer vision, and we're excited to see what the future holds.



Mission

Our mission is to empower businesses by revolutionizing the way customers interact with products using the latest advancements in deep learning and computer vision. We strive to provide our clients with cutting-edge technology solutions that enhance the customer experience, increase sales, and improve overall business performance



Vision

To discover, develop & deliver innovative software that provides high level solution to the people with reliability & makes everyday life easier. Brings artificial intelligence and apply machine learning to the new domain. Also develops deep learning technology to innovate sophisticated software. Furthermore, provides advanced analytics visualization in e-commerce sectors.



Goal

Transforming all industries through the power of artificial intelligence on global platform



Target Market

Our target market is composed of businesses in a variety of industries that are looking to enhance the customer experience and improve their overall performance. These industries include, but are not limited to:

E-commerce and Retail: We target businesses in the retail industry looking to improve the online shopping experience by offering a virtual try-on feature to their customers.

Fashion and Cosmetics: We target fashion and cosmetics businesses that want to improve the way customers interact with their products by offering a virtual try-on feature.

Automotive and Industrial: We target businesses in these industries that are looking to improve automation and reduce costs by using our advanced image and video processing solutions.

Healthcare: We target businesses in the healthcare industry that are looking to improve the diagnostic and therapeutic processes using our AI-assisted medical imaging solutions.





Products/Services:

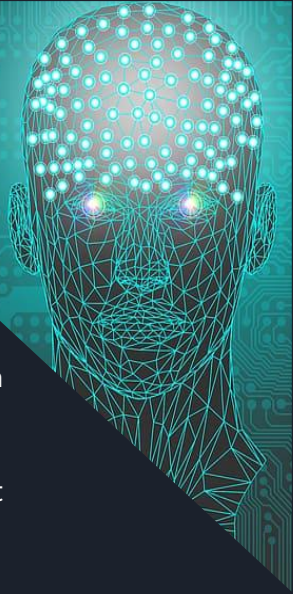
Virtual try-on technology: Our flagship product, this technology allows customers to try on clothes, accessories, and cosmetics in a virtual environment, providing them with a realistic representation of how the products would look on them.

Advanced image and video processing: Utilizing cutting-edge deep learning algorithms, we offer services such as object detection, image and video segmentation, and video tracking.

Custom AI solutions: We offer custom AI solutions tailored to specific industry needs, such as AI-assisted medical imaging, industrial automation, and security.

Consulting services: We provide consulting services to help businesses understand the benefits and limitations of our technology, and to help them integrate our technology into their existing systems and processes.

Research and Development: We are always looking to enhance and improve the technology, by researching and developing new techniques, technologies and methodologies.





Fashion GANs

The garment transfer problem comprises two tasks: learning to separate a person's body (pose, shape, color) from their clothing (cloth type, shape, style) and then generating new images of the wearer dressed in arbitrary garments. We present Fashion GAN, a new algorithm that performs image-based garment transfer through generative adversarial methods. The fashion GAN framework allows users to virtually try-on items before purchase and generalizes to various apparel types. Fashion GAN requires as input only two images, namely, a picture of the target fashion item and an image containing the customer. The output is a synthetic image wherein the customer is wearing the target apparel. In order to make the generated image look photo-realistic, we employ the use of novel generative adversarial techniques. Fashion GAN improves on existing methods in the realism of generated imagery and solves various problems related to self-occlusions. Our proposed model incorporates additional information during training, utilizing both segmentation maps and body key-point information. We show qualitative and quantitative comparisons to several other networks to demonstrate the effectiveness of this technique.





Deepfake Generator



Deepfakes can be synthesized thanks to an AI technology called Generative Adversarial Networks (GANs; Goodfellow et al., 2014). The average person has a predictable range of jaw, lip, and head movements that correspond with the sounds they make when forming words. GANs use authentic video footage as a training set and create a competition between two software neural networks, such that each improves based on the output of the other. Using this technique, Suwajanakorn et al. (2017) realistically synthesized both audio and video content of humans speaking. Thies et al. (2016) developed software that enables anyone with a webcam to generate replicas of other people's facial expressions. The most powerful technique produces "self-reenactment" video that reconstructs a speaker's facial expressions in real time (Rössler et al., 2018). Huge amounts of footage of political actors are currently available for free online. When used as training data for GANs (run by software that is also freely available), these materials enable users to create fabricated but realistic videos of public figures that may then be shared online without any obvious markers distinguishing them from genuine footage. AI is also being used to synthesize high quality audio mimicking human voices (Baidu Research, 2017; Gault, 2016). Most people may be poorly equipped to discern when they are being deceived by deep fakes. Rössler et al. (2018) found that people correctly identify fakes in only about 50% of cases—statistically as good as random guessing. Detection is especially poor when evaluating videos with the smearing and blockiness artifacts caused by the compression commonly used on social media. AI-based methods are marginally better than humans, but their effectiveness also declines when video compression is used.



Computer Vision

Image editing service: This service can include tasks such as color correction, image resizing, background removal, and other image enhancement techniques.

Object recognition service: This service can be used to identify and classify objects within images, such as people, animals, and products.

Face recognition service: This service can be used to identify individuals within images, and can be used for security, identification, and verification purposes.

Image restoration service: This service can be used to restore old, damaged, or degraded images, using advanced image processing techniques to enhance and restore image quality.

Augmented reality service: This service can be used to overlay digital information onto real-world images, creating interactive and immersive experiences.





Web Development

Website design: This involves creating a visually appealing and user-friendly design for the website, including the layout, color scheme, and user interface.

Front-end development: This involves writing the code for the client-side of the website, including HTML, CSS, and JavaScript.

Back-end development: This involves writing the code for the server-side of the website, including databases, server scripting, and other server-side technologies.

Full-stack development: This involves developing both the front-end and back-end of the website, creating a fully functional and dynamic website.

Content management system (CMS) development: This involves developing a custom CMS for clients who need to manage and update their website content frequently.

Web application development: This involves developing web-based applications for clients, including business applications, SaaS solutions, and other custom software.

Website maintenance and support: This involves providing ongoing maintenance and support services to ensure that the website continues to function properly and meet the changing needs of the client.



App Development

Mobile app design: This involves creating a visually appealing and user-friendly design for the app, including the layout, color scheme, and user interface.

Native app development: This involves developing a mobile app specifically for a single platform, such as iOS or Android, using the platform's native language and tools.

Cross-platform app development: This involves developing a mobile app that can run on multiple platforms, using a single codebase and cross-platform tools and frameworks.

Hybrid app development: This involves developing a mobile app that combines elements of native and web apps, using web technologies to create the user interface and native code to access device features.

Custom app development: This involves developing custom mobile/desktop app that is tailored to the specific needs and requirements of the client.



Organogram

