About TensorGo Technologies

TensorGo is a low-code enterprise-grade platform to build and deploy the most complex deep learning, and machine learning applications in a hassle-free manner by simply integrating the APIs. Our custom, State-Of-The-Art neural networks solve some of the most challenging problems in the world.

Gartner Inc. has recognized TensorGo as a Cool Vendor in **The Cool Vendor in AI for Computer Vision - 2022**. We also won the accolade for the **Best Overall Pitch in the prestigious Oracle APAC Startup Idol 2022**.

Know more about us at https://tensorgo.com
Built by TensorGo Platform https://youtu.be/ucQ_iovsr0g

Offering

emYt+ is a revolutionary compliance product from TensorGo with the potential to detect fraudulent activities during an interview or investigation process. It is developed with the State-Of-The-Art deep learning stack. The product functions as an intelligent assistant to enable HR professionals to make faster and right decisions with greater accuracy. Investigation agencies can also use emYt+ for bias-free investigation of a subject (candidate). It is capable of offering real-time and offline insights into a subject through parameters like face recognition/biometrics, voice biometrics, emotional intelligence, confidence levels, truthfulness, diarization, lip sync, transcription, answer verification, heart rate, identifying unknown person, suspicious activities, etc. Seamless integrations into Zoom, Webex, etc. ensure more organizations leverage emYt+ for compliance while saving their cost and time.

Infinite Possibilities with emYt+

Hiring is a challenging task as it can be an extremely time-consuming and costly process. In the era of remote video interviews, recruiters or hiring managers may not be always certain whether they are interviewing the actual candidate or not.

Recruiters also have to spend a lot of time on repetitive manual tasks. Additionally, an element of bias cannot be ruled out while assessing the candidates' responses, personality traits, and confidence levels.

There is an increasing curiosity and demand for automated psychological profiling systems these days. Facial expression is one of the most universal, natural, and powerful ways for humans to express their intentions and emotional states. Additionally, computer vision-enabled voice transcription has the potential to decode the emotions of the subject.

Latest Market Trends

The market for EDR (emotion detection and recognition) was about $19.87 million in 2020. It is expected to go up to a whopping $55.86 million by 2028. (source: Adroit Market Research). ***The average cost of a new employee arriving is almost $4,000. On average, Indian companies spend approximately Rs. 25,500 per hire.***

Any human error in the recruitment process can prove extremely costly. AI and computer vision can bring down the cost of hiring significantly.

Why emYt+?

Presenting emYt+, a game-changing computer vision-powered compliance product from TensorGo Technologies! It functions as an intelligent assistant to enable HR professionals, recruitment firms, and investigation agencies to make right and faster decisions with great precision in real-time or offline. **Most importantly, it drastically reduces an organization's cost of hiring.**

There is also the flexibility to pick and choose microservices according to specific customer requirements instead of buying the product with all the microservices. The product takes a live stream or a recorded video as input and is powered by a powerful analytical dashboard for enhanced decision-making.

Features of emYt+

1. **Face Biometrics (Authentication and liveliness of a person)**
   Matches the subject's face against the database in real-time for face biometrics and provides the match percentage.

2. **Voice Biometrics (Authenticating a person with voice recognition)**
   Captures and compares the subject's voices during their video call and validates if the authorized person is speaking in the call.

3. **Lip Sync (Sync of audio and lips)**
   Identifies the lip-synchronization with the audio in real-time to assess if the same person is speaking.

4. **Transcription (Voice to Text)**
   Translates the subject's voice to text in real-time, as well as offline to review the conversation.

5. **Voice Diarization (Speaker differentiation)**
   Takes an audio stream as an input and does segmentation of speakers into various components to differentiate between the speakers to identify them. Also provides the percentage of speakers' contribution to a call.

6. **Answer Verification (Accuracy % of an answer)**
   Detects whether the responses of the subject are close to the actual answers or not, with the similarity percentage.

7. **Emotions Detection (Basic emotions over a call)**
   Identifies the various emotions of the subject, such as happiness, sadness, anger, surprise, disgust, and neutral states and their percentage of activation.

8. **Eye Gaze (Tracking eye movements)**
   Determines a person's focus of attention on a screen as in where the person is looking on the screen and tracks the eye movements over a period of time.

9. **Head Gaze (Tracking of head)**
   Detects the orientation and the direction of a person's head, which helps in analyzing the head movements and distraction levels.

10. **Demography (Age, gender, ethnicity)**
    Generates demographic analytics, such as age, gender, and ethnicity of the subject for enhanced decision-making.

11. **Heart Rate (Remote heart rate)**
    Estimates the heart rate of a subject from a regular camera video. This can be further leveraged for understanding more about the subject.

12. **Respiration Rate (Remote respiration rate)**
    Tracks and detects the approximate respiration rate of a person through a regular camera. Can be used for fitness and other diagnosis purposes.

13. **Oxygen Saturation (Remote oxygen levels)**
    Remotely measures the oxygen saturation level of the subject from a live video stream through a regular camera.

14. **HRV (Heart rate variability)**
    Identifies estimated heartbeats fluctuation, which can be an indication of current or future health problems, like heart conditions, depression, and anxiety.

15. **Stress Level (Estimated stress levels)**
    Assesses the presence of signs of stress from a subject's heart rate, respiration rate, and other physiological parameters.

16. **Blood Pressure (Under development)**
    Predicts the estimated blood pressure of the subject from a regular camera.

17. **Truthfulness (Deception of a subject)**
    Designed to identify the truth in every interaction by analyzing voice, eye movements, and facial expressions to report the level of the truthfulness of the subject.

18. **Split and Share Video**
    A specific segment of the offline video stream can be selected and shared with other stakeholders for advanced analysis.

19. **Highlight Text**
    Throws the spotlight on words that need to be identified during a conversation or from a set of transcriptions for further decision-making.

20. **Unauthorized Person**
    Detects the presence of any unauthorized person in a video during a session.

21. **Video Conference Bridge**
    Can be integrated with Zoom, WebEx, and Google Meet by configuring the OAuth or JWT token for Live and recorded videos. Also supports offline videos from S3 bucket etc.

22. **Accessibility Via API**
    Easy integration into existing applications with only a few lines of code and powering the organizations to launch the AI applications on the go.