

NIT Trichy's
pragyan[®]
2026
AN ISO 9001 AND 20121 CERTIFIED ORGANISATION



WELCOME TO OPEN HOUSE 2026



AI GYM ASSISTANT

Reps: 0 || RE: 177.93043766480946 || LE: 100.27458447629249

Back has an arc

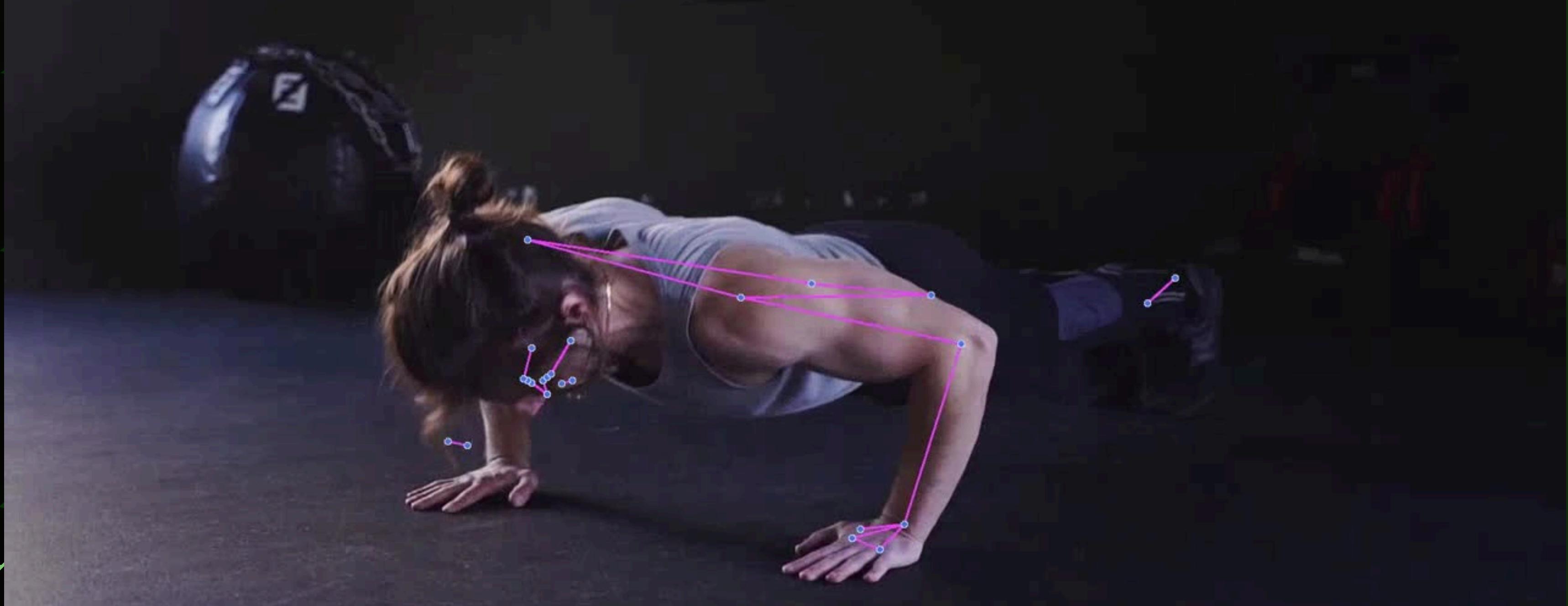




IMAGE CHAT APP



Databyte image chatapp

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****Caption**:** iron man poster

****Detailed Analysis**:** The image caption "Iron Man poster" likely refers to a promotional poster for the Marvel Comics character Iron Man, specifically for one of the films in the Marvel Cinematic Universe. The scene depicted on the poster typically features Iron Man, also known as Tony Stark, in his red and gold suit, often shown in an action pose with his repulsors glowing.

The colors in the poster are primarily red, gold, and silver, with occasional use of black to provide contrast. The red and gold represent the colors of Iron Man's suit, while the silver may represent the technological aspect of the character. The use of these bold, primary colors creates a sense of energy and excitement, fitting for a superhero film.

The atmosphere of the poster is dynamic and powerful, often with a sense of motion and action. The pose of Iron Man, combined with the use of lighting and shadows, conveys a sense of strength and determination. The background may vary, but it often includes a cityscape or a battle scene, emphasizing the character's role as a superhero.

There are several possible interpretations of the poster. One interpretation is that it represents the character of Iron Man himself - strong, powerful, and technologically advanced. Another interpretation is that it represents the themes of the film, such as the struggle between good and evil, the importance of

Add Image

Speak

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IMAGE CHAT APP

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Allow while visiting the site

Allow this time
Hello! I'm your vision assistant. You can send me text, images, or even speak your prompt!

Never allow


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Type your message...

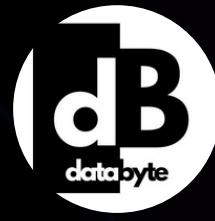
Send



AUTOMATED NUMBER PLATE READING



Timestamp	License Plate
2025-02-22 14:16:22	WROZFKD
2025-02-22 14:16:24	EYBINBG
2025-02-22 14:16:30	BC5SUSJ
2025-02-22 14:16:38	ERIDDZT
2025-02-22 14:16:49	GJO6EPD
2025-02-22 14:16:55	DAOZCLX
2025-02-22 14:16:59	EYG9WUS
2025-02-22 14:17:08	BBPBOLH
2025-02-22 14:17:23	LPLALJA



COLLEGE WEBSITE CHATBOT

nlp-chat-bot

POWERED BY Dialogflow

tell me about nit trichy

NIT Trichy, established in 1964, is one of India's premier engineering institutions. • Location: NIT Trichy is located in Tamil Nadu, India, with a sprawling 800-acre campus. • Ranking: Ranked among the top 10 engineering institutions in India by NIRF. • History: NIT Trichy, established in 1964, is one of India's premier engineering institutions. It is known for its academic excellence, research output, and strong industry connections.

admission eligibility criteria in nit trichy

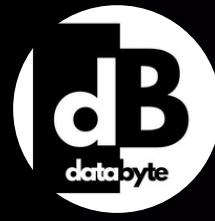
Admissions are open for undergraduate, postgraduate, and doctoral programs at NIT Trichy. The admission process follows national-level entrance exams like JEE for B.Tech and GATE for M.Tech. For MBA, CAT scores are required, and for MSc programs, JAM is considered.

courses offered by nit trichy

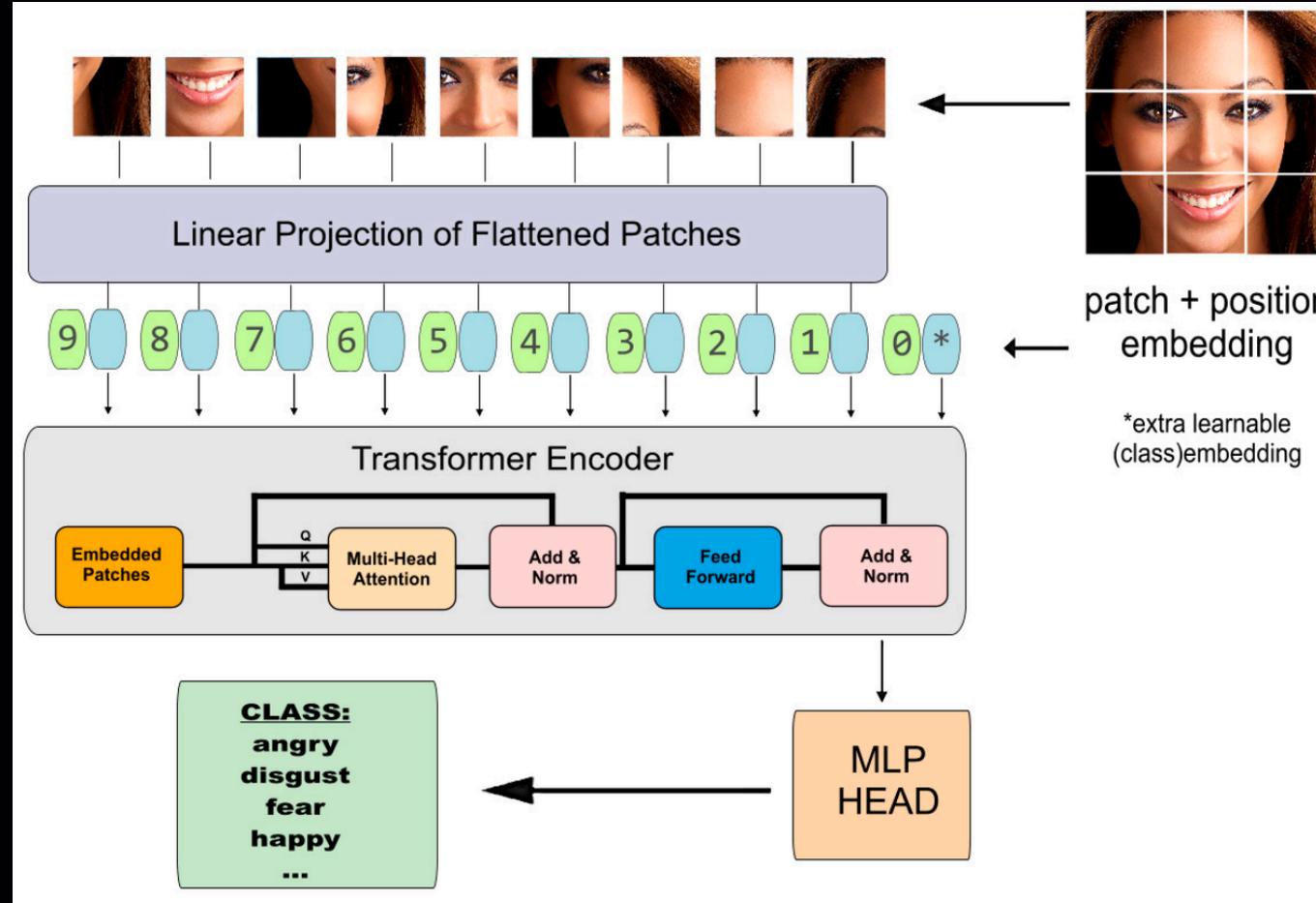
Undergraduate: BTech in Computer Science & Engineering, BTech in Electronics & Communication Engineering, BTech in Mechanical Engineering, BTech in Civil Engineering, BTech in Electrical & Electronics Engineering, BTech in Metallurgical & Materials Engineering Postgraduate: MTech in Artificial Intelligence, MTech in Data Science, MTech in Structural Engineering, MTech in Power Systems, MBA in Business Analytics, MBA in Finance and Marketing Doctoral: PhD in Computer Science, PhD in Electrical Engineering, PhD in Civil Engineering, PhD in Mechanical Engineering, PhD in Mathematics, PhD in Management Studies

|

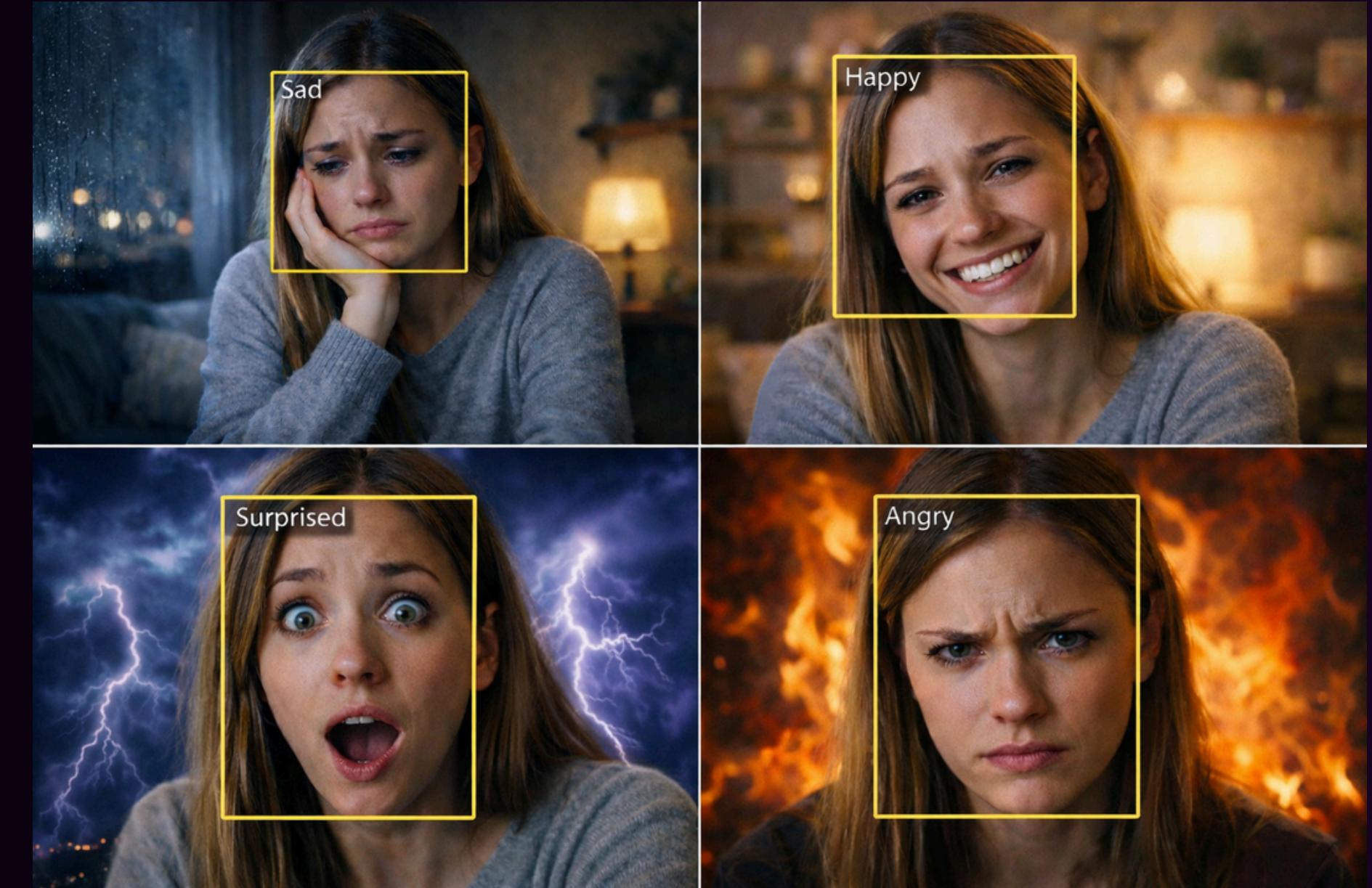
Microphone icon

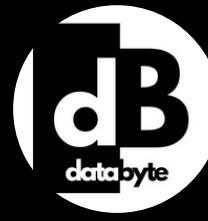


EMOTION-ADAPTIVE BACKGROUND GENERATION

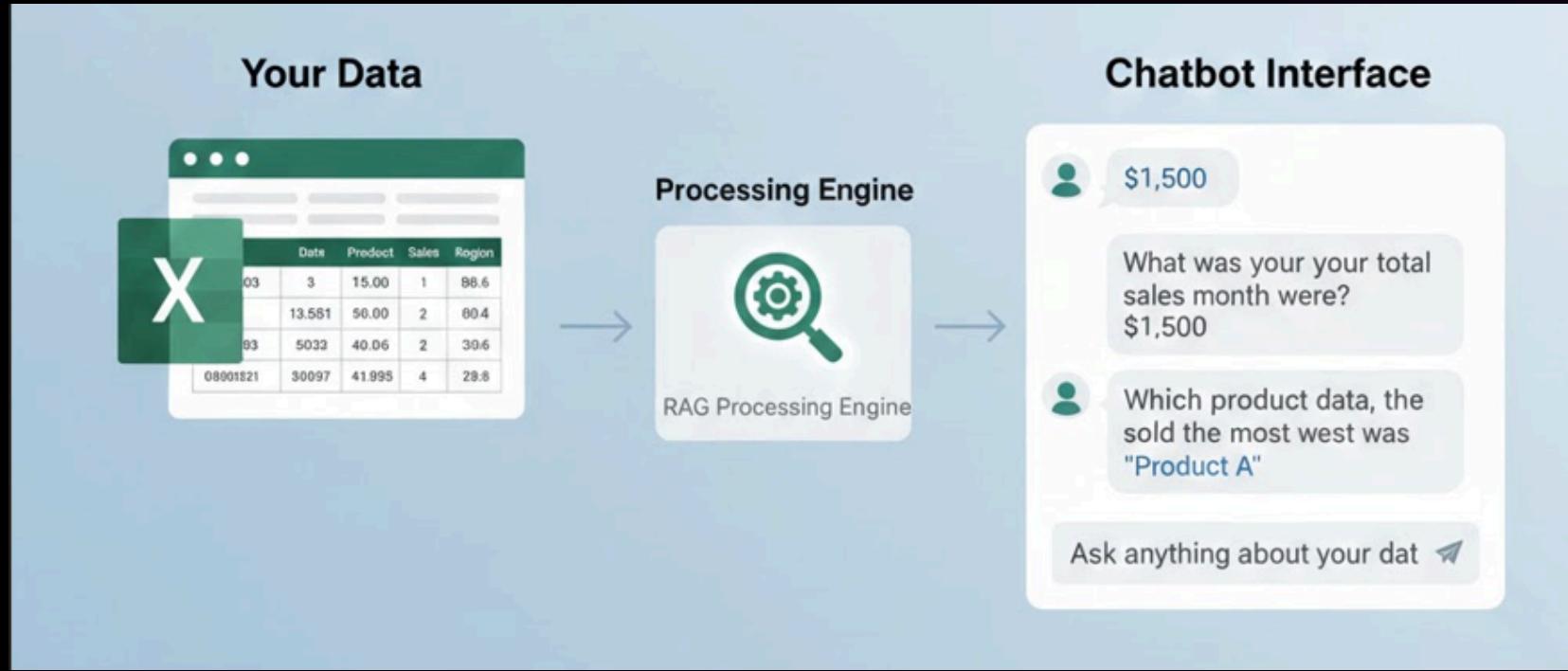


This project leverages Vision Transformers (ViTs) to detect human emotions in real time from webcam input and dynamically adapt the background accordingly.

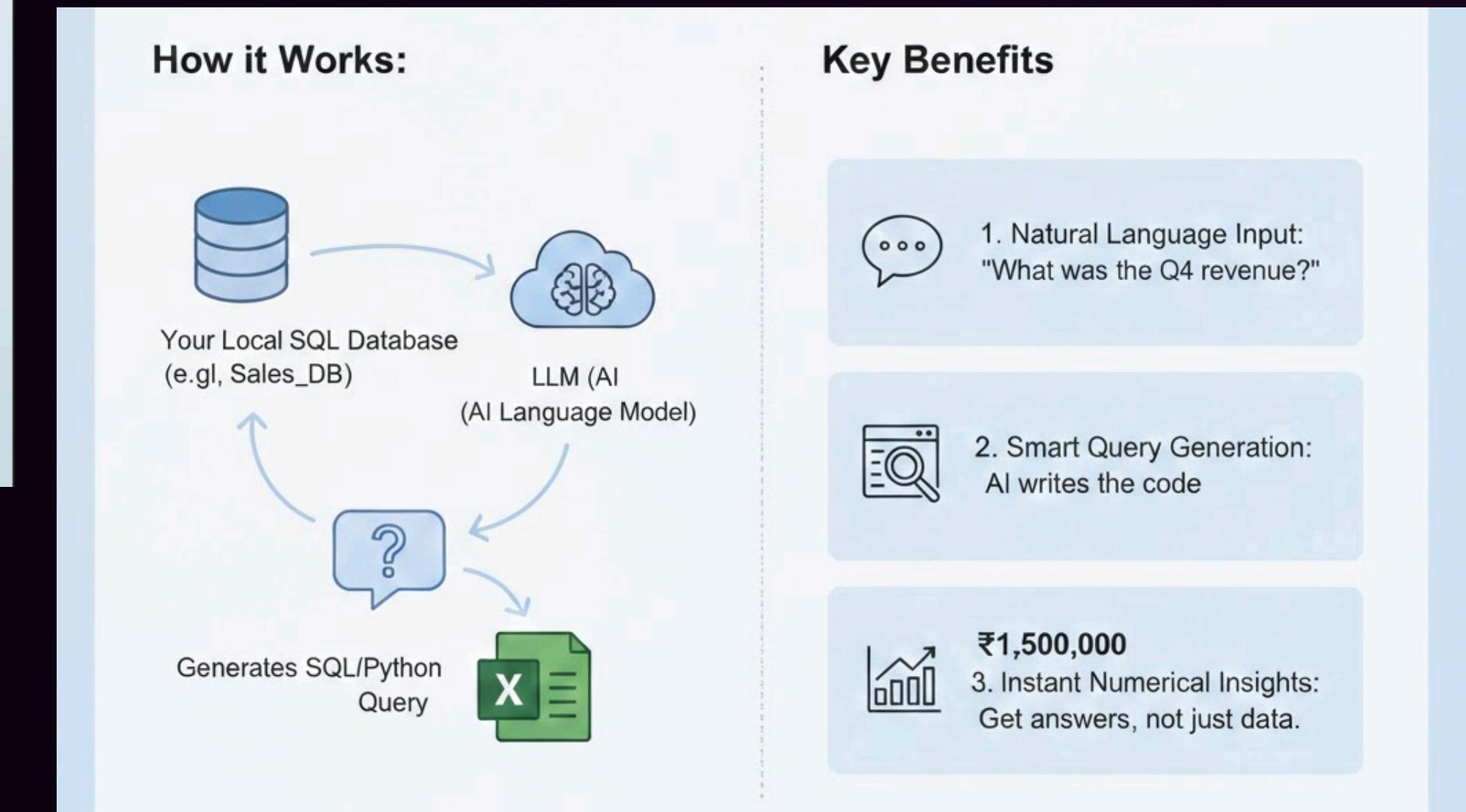




ANALYTICS CHATBOT FOR EXCEL-BASED INSIGHTS

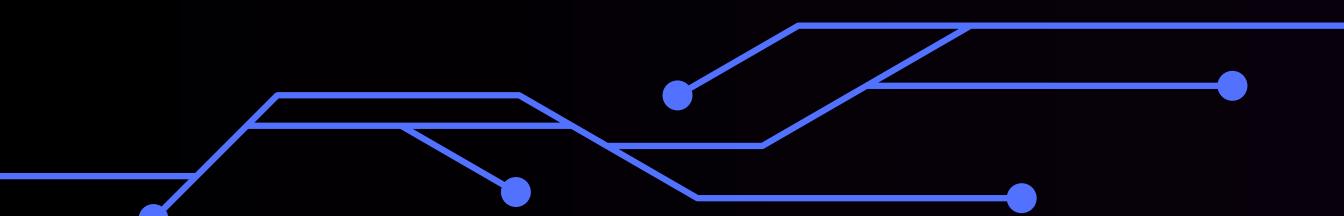


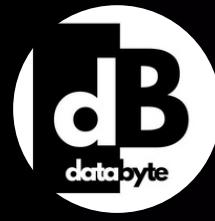
This system combines a RAG pipeline to extract descriptive insights from Excel files with a SQL engine for precise numerical data. It converts natural language queries into automated insights, ensuring a fast, secure, and offline experience by processing all data locally. By using logical chunking and a lightweight vector store, it maintains a low memory footprint optimized for standard systems.



Key Benefits

1. Natural Language Input: "What was the Q4 revenue?"
2. Smart Query Generation: AI writes the code
- ₹1,500,000
3. Instant Numerical Insights: Get answers, not just data.





JARVIS JR



Workflow Diagram



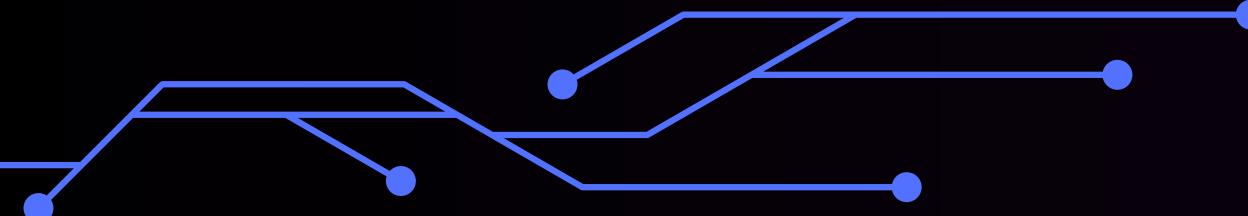
Monday, January 26, 2026 at 3:44:17 PM IST

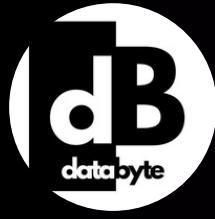
UI Design



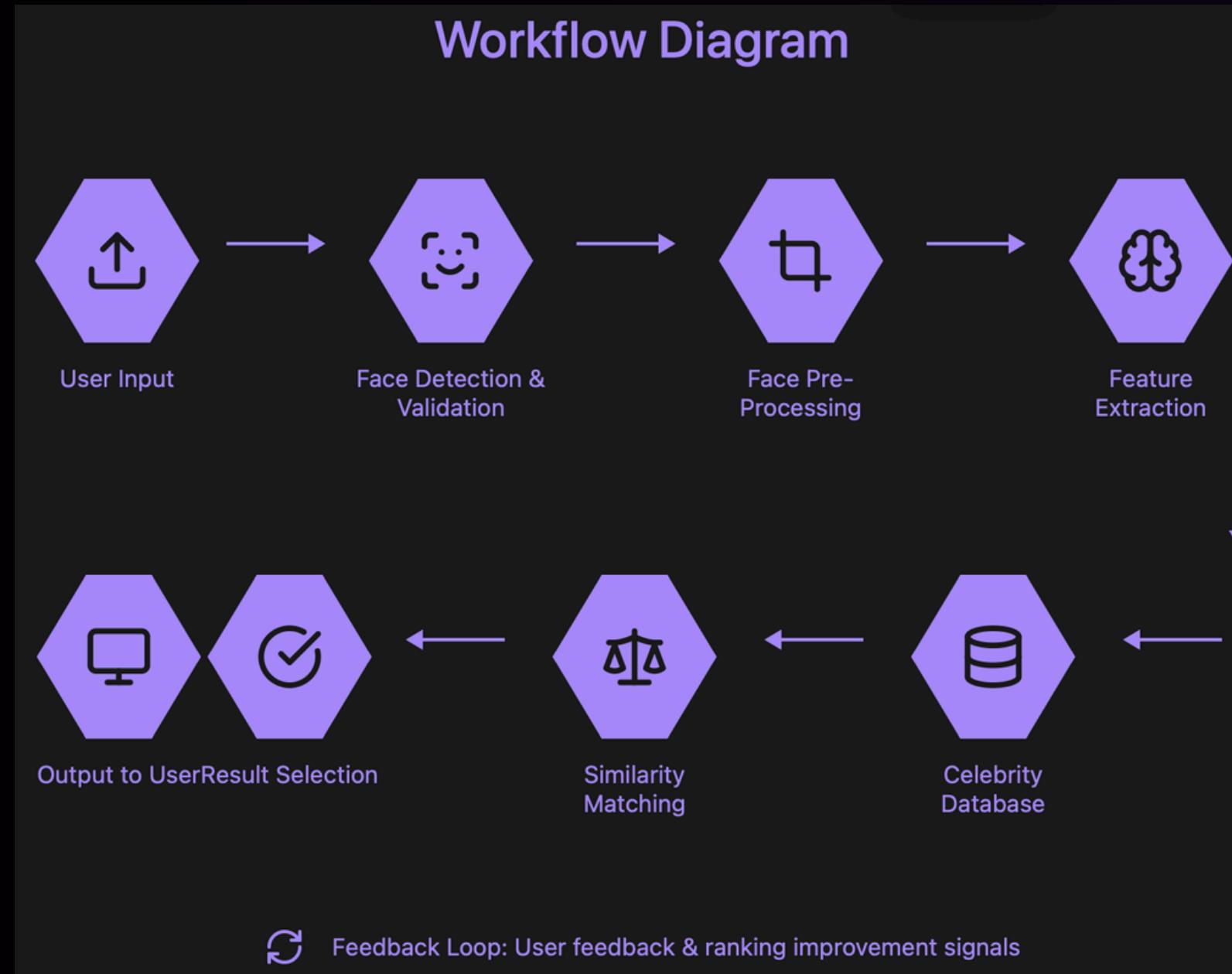
Monday, January 26, 2026 at 3:39:54 PM IST

Jarvis Jr is an innovative project designed to reinvent the traditional command-line experience by integrating natural language processing (NLP). The core motivation is that while standard command-line tools are powerful, they are often difficult to use because users must memorize complex commands and specific syntax.





CELEBRITY LOOK-ALIKE MODEL



The Celebrity Look-Alike system is designed to identify the closest celebrity match for a user by analyzing facial features with precision and efficiency. The workflow begins with a user standing in front of the camera, which is first validated and pre-processed through face detection, alignment, and normalization to ensure consistent input quality. The processed image is then passed through a feature extraction model that converts facial characteristics into a numerical representation, known as an embedding. This embedding is compared against a curated database of pre-computed celebrity face embeddings using a similarity matching engine, ranking candidates based on facial resemblance. The system applies selection logic to determine the most relevant match and presents the final result to the user, including the celebrity name and similarity score, delivering an intuitive and accurate look-alike experience.

