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Game-Changing Innovations from CES 2025

DHEEREN VELU

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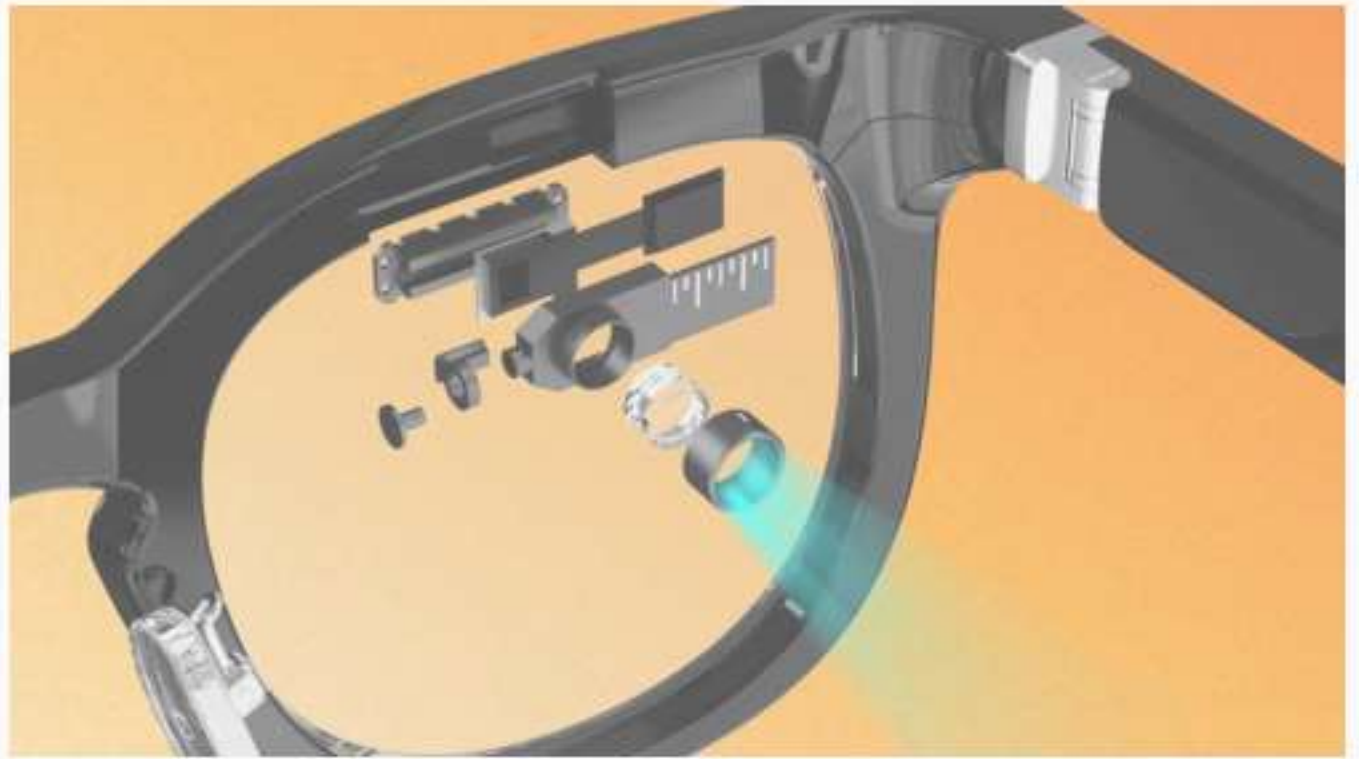
dheeren.velu@gmail.com

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* 01



Halliday AI Glasses with Invisible Display

These groundbreaking smart glasses integrate an invisible display system that becomes visible only when looking upward, maintaining normal vision otherwise. The proactive AI assistant can analyze conversations in real-time, offering relevant information without explicit prompts. While the current generation lacks camera functionality, it features high-quality stereo speakers and advanced microphones for clear audio interaction. The design prioritizes everyday wearability, resembling standard eyewear while packing sophisticated technology.

AI & COMPUTING



*02



AutoKeybo: The Intelligent Adaptive Keyboard

A revolutionary input device that combines keyboard and mouse functionality through AI-powered posture detection. The system uses a built-in Raspberry Pi and camera to analyze hand movements, automatically transitioning between typing and mouse modes based on subtle gestures. The device features a built-in Linux computer, allowing standalone operation or connection to existing systems. Type-C connectivity enables versatile peripheral connections, while the ergonomic design promotes natural hand positioning. A particularly impressive feature is its ability to transform based on minimal hand rotation, reducing strain during extended use sessions.

AI & COMPUTING



* 03



ThinkBook Plus Generation 6

Lenovo's innovative rollable PC represents a significant advance in display technology. The screen expands vertically from 14" (2024x1600) to 16.7" (2024x2050), with the excess display rolling beneath the keyboard for protection when not in use. The system features AI-powered workspace management that automatically adjusts to different use cases, from coding to content consumption. The mechanism has been tested for durability, though specific cycle counts weren't disclosed. Multiple preset templates optimize the screen layout for different tasks.

AI & COMPUTING



* 04



Honda Saloon & SUV

Honda's ambitious prototype aims to achieve true Level 3 autonomous driving, allowing drivers to completely divert their attention under certain conditions. The vehicle's "thin, light, and wise" design philosophy manifests in its spaceship-like aesthetic and efficient use of space. Advanced sensor arrays and AI processing enable comprehensive environmental awareness. While full autonomy testing continues, the prototype demonstrates Honda's commitment to pushing autonomous driving boundaries.

TRANSPORTATION & MOBILITY



XPENG Aero HTs Flying Car

This remarkable hybrid combines a road vehicle with a detachable aircraft, priced at \$300,000. The ground vehicle serves as both transport and aircraft hangar, offering a 621-mile range. The flying component features automated flight capabilities and recently completed successful manned tests in China. Type certification is expected within months, with customer deliveries planned for 2026. While initially targeting Asian markets, global expansion plans are under development.

TRANSPORTATION & MOBILITY

*07



Aotos Rideable Electric Suitcase

This innovative \$500 carry-on combines storage with personal transport. Offering a 10km range and 31L capacity, it features integrated phone charging capabilities. The design prioritizes airport and urban mobility, with safety features including automatic speed limitation and stable handling characteristics. The durable construction meets airline requirements while maintaining practical functionality as luggage.

TRANSPORTATION & MOBILITY



*07



Roborock's Saros Z70

The first mass-produced robotic vacuum incorporating a mechanical arm capable of lifting objects up to 300 grams. Advanced object recognition enables it to identify and remove obstacles like socks, sandals, and tissues, improving cleaning efficiency. The system learns from experience, optimizing its pickup strategies over time. While pricing remains unannounced, the technology represents a significant advance in automated home maintenance.

HOME AND LIVING



* 08



LG OLED T Transparent TV

This groundbreaking 77-inch transparent OLED TV features a retractable black curtain for traditional viewing. Priced at \$60,000, it includes the innovative Zero Connect box, enabling wireless connectivity up to 30 feet away. The display maintains clarity whether transparent or opaque, supporting up to 120Hz refresh rates. Shipping began January 2025, targeting luxury home installations and commercial applications.

HOME AND LIVING

* 09



LG Bendable Monitor

A versatile display that transforms between flat and curved (900R) configurations at the push of a button. The technology enables users to optimize their viewing experience for different activities - flat for productivity, curved for immersive gaming. The transition mechanism has been tested for durability, though specific specifications await release. Launch is scheduled for late 2025, with pricing to be announced.

HOME AND LIVING

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Plantaform Smart Garden

This \$499 indoor garden system utilizes NASA-inspired fulponics technology, requiring 50% less water than traditional hydroponics while achieving 20-30% faster growth rates. The system features automatic temperature, humidity, and nutrient control, with magnetic windows regulating light exposure. The alien egg-inspired design houses sophisticated monitoring systems ensuring optimal growing conditions for various plants.

HOME AND LIVING





OMNIA Health Mirror

An advanced smart mirror incorporating multiple health monitoring technologies. Using optical sensors, thermal imaging, and AI algorithms, it provides non-invasive assessments of vital signs, body composition, sleep quality, and metabolic health. The system includes emergency detection capabilities and can share data with healthcare providers. The mirror's interface integrates seamlessly into daily routines, making health monitoring more accessible.

HEALTH AND WELLNESS

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TSA Airport Shoe Scanner

This prototype uses millimeter-wave technology to scan footwear without removal, potentially streamlining airport security procedures. The system creates detailed 3D images without X-rays, detecting potential threats while maintaining passenger convenience. Testing demonstrates effective identification of concealed objects, with planned airport trials to validate real-world performance.

HEALTH AND WELLNESS

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EssilorLuxottica Rayban x Meta Glasses

The latest smart glasses collaboration offers native AI capabilities in stylish frames. Priced between \$299-\$379, they feature 4-hour battery life with quick charging via a USB-C case. Available in polarized, transition, and standard lens options, they combine fashion with functionality. Voice-activated AI assistance provides environmental information and device control.

EXTENDED REALITY AND GAMING



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XREAL One Pro

XREAL One Pro

Priced at \$599, these AR glasses feature improved display clarity and brightness over previous models. Supporting prescription lens inserts and intuitive gesture controls, they offer various screen size options and comfortable viewing angles. The March 2025 release targets both entertainment and productivity applications.

EXTENDED REALITY AND GAMING



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Roto Gaming VR Chair

This \$799 Meta-endorsed VR chair automatically rotates based on user view direction and includes sophisticated haptic feedback systems. The modular design allows for comfort upgrades (\$299) and future expansions for holographic communication and motion simulation. Currently shipping, it aims to enhance seated VR experiences across gaming and professional applications.

EXTENDED REALITY AND GAMING

* 16



Atari Gamestation Go

A \$149.99 retro-modern handheld featuring innovative smart glow controls that illuminate only relevant buttons for each game. Supporting multiple Atari formats and new game offerings, it includes a 7-inch screen, stereo sound, and HDMI output. The Q3 2025 release promises wireless controller support and firmware expandability.

EXTENDED REALITY AND GAMING



Realbotix Melody

An advanced social interaction robot featuring sophisticated AI for natural conversation. The modular face design allows for customization, while the AI system develops personality traits based on interaction patterns. The robot balances human-like appearance with distinct robotic elements to avoid uncanny valley effects. Commercial release details are pending.

ROBOTICS AND AI COMPANIONS



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Unitree Robotics Humanoid

This humanoid robot demonstrates remarkable stability through advanced sensor fusion, combining accelerometer, gyroscope, and ground force sensor data. The system maintains balance through continuous real-time adjustments, representing a significant step toward practical humanoid robotics. Market availability is projected within five years.

ROBOTICS AND AI COMPANIONS



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Mirumi Robot

A compact, wearable companion robot designed for backpack or arm attachment. Featuring advanced emotional recognition AI, it responds to user moods through gestures, sounds, and LED expressions. The 8-hour battery life and durable construction suit educational environments, while its interactive capabilities support social-emotional learning.

ROBOTICS AND AI COMPANIONS





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Nuwa Pen

A sophisticated digital conversion pen that preserves the natural writing experience while enabling digital transformation. Features include real-time syncing, multi-language recognition, and pressure sensitivity for artistic applications. The education-focused pricing strategy aims to make digital note-taking more accessible.

CREATIVE TOOLS AND ENTERTAINMENT





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Stringless Smart Guitar

This innovative instrument uses high-resolution touch panels and haptic feedback to replicate and extend traditional guitar playing techniques. Multiple sound profiles enable instant switching between acoustic, electric, and synthetic tones. The accompanying app provides interactive tutorials and custom sound design capabilities.

CREATIVE TOOLS AND ENTERTAINMENT





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alphabeats



Our portable EEG headset delivers live neurofeedback for immediate learning—anywhere.

Athletes select their own soundtrack to make every session a personal and impactful experience.

Studies show that time spent with Alphabeats improves mental acuity and focus.

Alphabeats

A gesture-controlled music creation device combining traditional instrument elements with modern technology. The AI-assisted system helps users understand music theory through interactive feedback, while the expandable sound library supports diverse musical styles. The interface accommodates both beginners and experienced musicians.

CREATIVE TOOLS AND ENTERTAINMENT





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Naqi Logix Neural Earbuds

These revolutionary earbuds detect facial micro-gestures and muscle contractions for device control, offering a non-invasive alternative to brain-computer interfaces. Maintaining standard earbud appearance, they enable hands-free, voice-free control of connected devices. Launch timeline remains under development.

PERSONAL TECHNOLOGY





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Razer Project Arielle

A concept gaming chair featuring innovative bladeless circular fan design for heating and cooling. Temperature-responsive Chroma lighting provides visual feedback, while the mesh construction optimizes comfort and airflow. The control system allows precise temperature and fan speed adjustments.

PERSONAL TECHNOLOGY





25



Aurzen ZIP Tri-fold Projector

A pocket-sized 720p projector offering 20-80 inch projection range. The innovative tri-fold design incorporates a magnetic base and direct phone connectivity. The Kickstarter launch immediately following CES demonstrates market readiness, though long-term durability remains to be proven.

PERSONAL TECHNOLOGY





These 25 innovations stood out among countless others that filled the Las Vegas Convention Center at CES 2025 this year

From AI-powered gadgets to flying cars, each represents a significant step toward a more connected future. While I couldn't capture every breakthrough, these highlights demonstrate how quickly consumer technology is evolving from science fiction into reality.

DHEEREN VELU

dheeren.velu@gmail.com



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