2025

A private lander on the Moon, a gene edit made for one child, and machines at the Mathematical Olympiad.

Commercial spaceflight reached the Moon, medicine wrote a cure for a single patient, and AI systems matched the best young mathematicians in the world.

What rose

March. Firefly's Blue Ghost lands in Mare Crisium: the first fully successful commercial landing on the Moon. Source: Blue Ghost Mission 1

May. A baby with a rare urea-cycle disorder becomes the first patient treated with a base-editing therapy designed for him alone. Source: Base editing

July. AI systems from Google DeepMind and OpenAI reach gold-medal level at the International Mathematical Olympiad. Source: International Mathematical Olympiad

What fell or stalled

Starship's upper stage broke up on two test flights early in the year, on Flights 7 and 8, before later flights succeeded. Source: Starship flight test 7

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