In a Generative Adversarial Network (GAN), the generator creates fake data samples aiming to mimic real data, while the discriminator evaluates them, distinguishing between real and generated samples. The generator learns to produce more realistic data by trying to fool the discriminator, and the discriminator improves its ability to identify fakes. This adversarial process helps improve the quality of generated outputs.



A person in a suit

Description automatically generatedA person in a suit

Description automatically generated



An astronaut in a jungle

Description automatically generated