	15 deep learning models.
	Feedforward Newal Network
	A simple neural network
	where information moves in
	one direction from input
	to output, used for basec
	classification and regression tasks:
2	Convolutional Neural Network
	(CNN):
	A neural network
	primarily used for image and
	video processing, employing
•	convolutional layers to detect
	spatial patterns.
3.	Recurrent Network Neural
	(RNN):
	A neural network
	designed for sequential data,

	where previous outputs are	
<b>3</b>	used as inputs for the	
<b>9</b>	next stop.	No. of Contract of
s u	Long Short-Term Memory	
	USIMI	racinal desirent de la constante en
<b>.</b>	An advanced RNN	productive section
•	designed to copture long-range	
	dependencies and solve the	
	vanishing gradient problem.	
5	. Grated Recurrent Unit	
	(GRV):	
Constraint and American Americ	A variant of LSTM	
	that simplifies the architecture	
The state of the s	by combining the forget and	
	input gates into a single	
	update gate.	
P. Commence of the Commence of	Generative Adversarial Network	
	(GAN):	
	composed of a generater	
	and a discriminator, GANS	
	are used for generating	
	The aser for generaling	+

realistic synthetic data through adversarial traing. 7. Autoencoder: A neural Network used for unsupervised learning, compressing input data into a · lower-dimensional representation and then reconstructing it. 8. Variational Autoencoder (VAE): A generative model that learns to encode data into a latent space for probabilistic reconstruction and synthesis. 9. UNet: A (NM designed for biomedical image segmentation. 10. You Only Look Once (YoLO): A real-time object detection model.

and the same of th	. AlexNeDs	
<b>₩</b>	A convolutional hereal	Advantage of the second
	network (CNN) that popularized	The training of the Congress
	deep learning for image	***************************************
<b>~</b>	classification	and the state of t
so li	2. VGGNets	
<b>₹</b>	A CNN Known for its	account in a specific revenue of a contrary
*	simiplicity and depth, using	
<b>⋖</b>	small convolutional filters.	
× 13	· ResNet:	
•	A deep CNN that	
<b>*</b>	introduced skip connections	
	to solve vanishing gradient	
<b>4</b>	issues.	
	· Inception: (GoggLeNet)	
£ .	A CNN using multi-scale	
æ .	feature extraction with	
<b>P</b>	inception modules.	
T		
<u> 16</u>		
<b>I</b>	A model architecture that u	sos
9	self-attention for sequence_to-	
0	sequence tasks.	