	PAGE No.
*	Text Classification:
	* Classification done of tentual data is known as
12.5	L-> & Email Spam Detection
	2> Sentiment Analysis (Positive/ Negative) 3> message (Sales / Support)
101 5	message (Sales / Support)
	Types
	ea email Sparm ea Genre ca News - sparts
	eg email Sparm eg Genve cy News - sports  Detection classification Sachin Zicket
	Multiclass:
*	Applications:
	in'y Customer Support.
	WY Sentiment Analysis.
	vir Fake news Detection
*	Pipeline:
	Data Text Text Madeling Tol
a1723 -	Acquisition Preprocessing Vectorization
-1.	Deploy Evaluation Presture

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*	Different Approaches:
	Types amin'nd amin'n
. cotton	situal exist coincel to be to the
	Heuristic API'S ML DL
	BOW T' RNN
	ngrams + CNN
	TFIDE -> Pretrained
	→ SVM BERT (Transtormer)
	Ly SVM
	ir Meuristic Approach:
	- Creating your own rule and Algorithm: - Used when There is no data for Training.
	- Used when There is no data for Training.
	2) API'S:
	- Google Cloud Platform J. APT
fx	Amazon Web Services J
don't	CNEP Cloud . io) . 1
Service	income at the remarker about their at
	3> Machine learning
	Naive Bayes
	prepracess -> BOW >> Accuracy -> Evaluation
	Random Forest
1 1	-> you can use n-gram instead of Bow.
	-> TE-IDF (an improve accuracy due to Nectorization-
79. 1	A Deep learning
	A) Pre-trained Word 2 vec model
100000	Ly Atleast 80% Similarity between Vocabulary used in
41	petrained amadel and our data vacabulary
- 1	B) We need enough data to train our Word 2 Vec model

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*	Practical Advise:
	> Ensemble Technique  2) Meuristic features
	2) Meuristic features 37 Don't use deep learning techniques directly in
	first try with machine learning w Data must not be Imbalanced.
	sy Solve as many project as possible.
- (	37 VOICE X