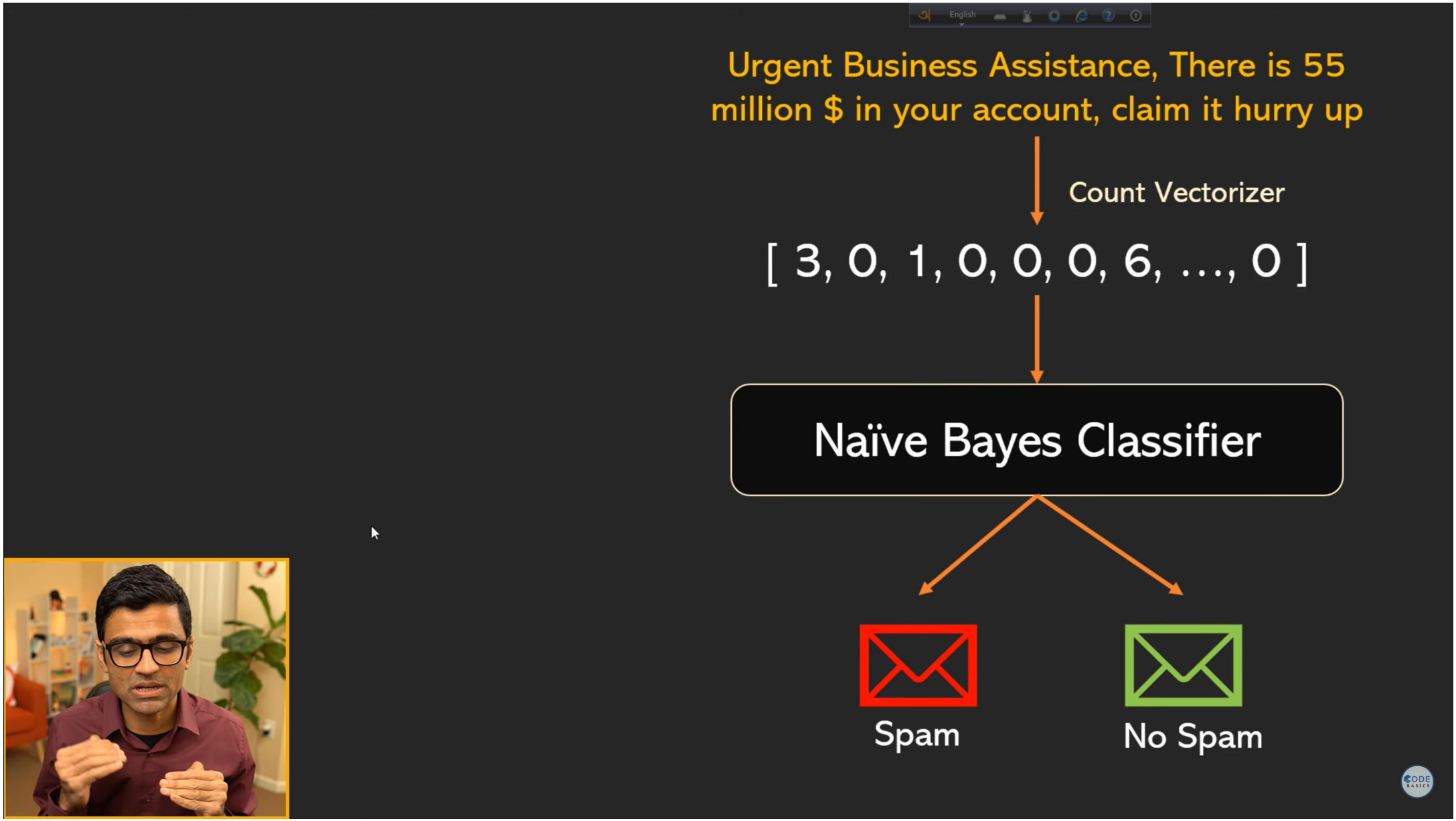
NLP Techniques

Rules & Heuristics

Urgent Business Assistance, There is 55 million $ in your account, claim it hurry up

Count Vectorizer

[3, 0, 1, 0, 0, 0, 6, ..., 0]


Urgent Business Assistance, There is 55 million $ in your account, claim it hurry up
Count Vectorizer
[3, 0, 1, 0, 0, 0, 6, ..., 0]
Naïve Bayes Classifier
Spam
No Spam

Raw Text

Number Vector

Statistical Machine Learning

Urgent Business Assistance, There is 55 million $ in your account, claim it hurry up

Count Vectorizer

[3, 0, 1, 0, 0, 0, 6, ..., 0]

Naïve Bayes Classifier

Spam

No Spam

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Training Samples

Hurry up for an offer to win cash
You won a laptop, deadline is 2nd feb
...

Actual text for classification

Rush for this great deal to win money

hurry up for an offer to win cash

Sentence Embeddings

[5, 9, 10, 0, 0, ..., 6]

rush for this great deal to win money

Sentence Embeddings

[5.1, 9, 10, 0.3, 1, ..., 6]

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Deep Learning