

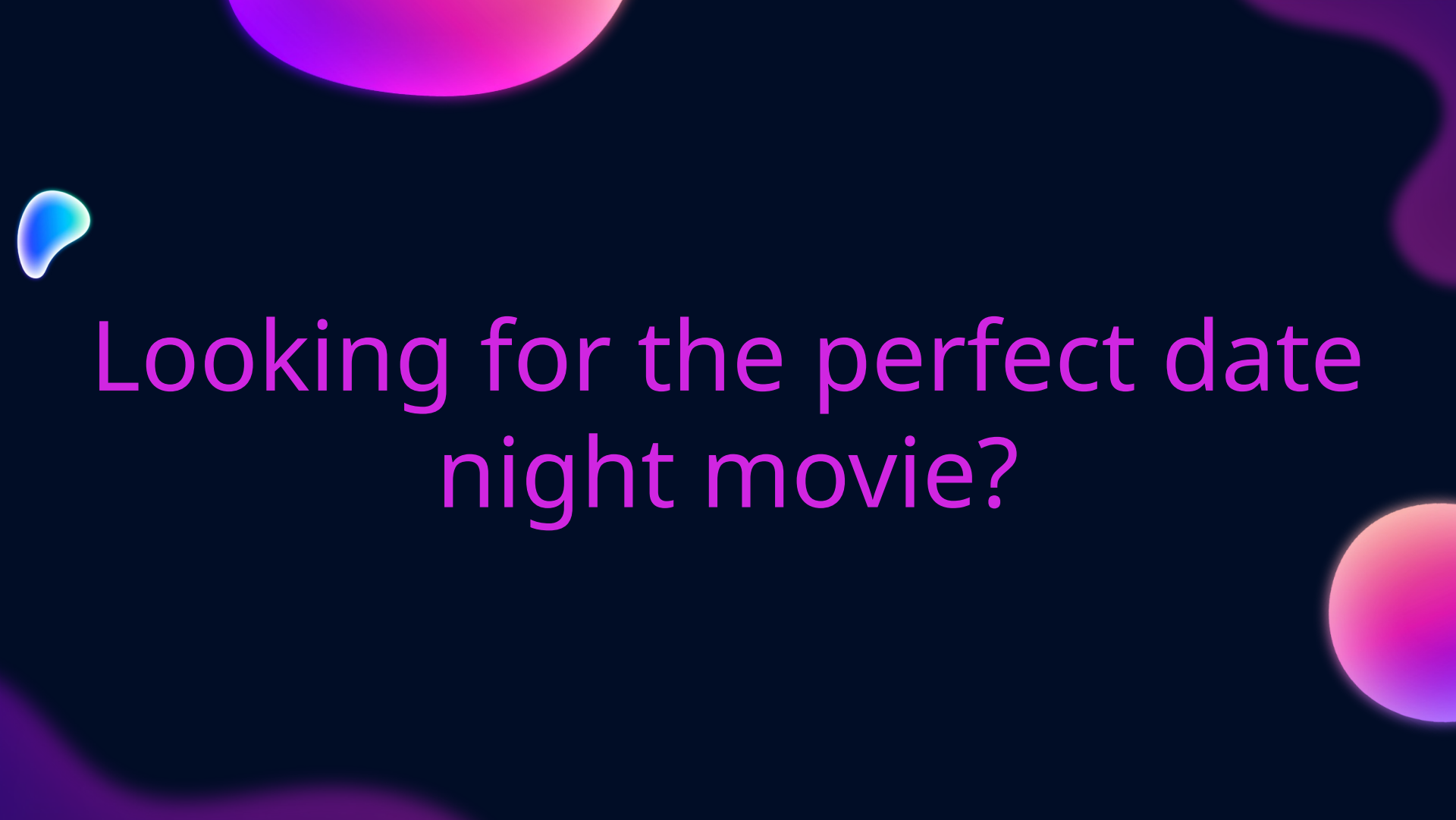
Movie Recommendation System

With Data Analysis and TFIDF

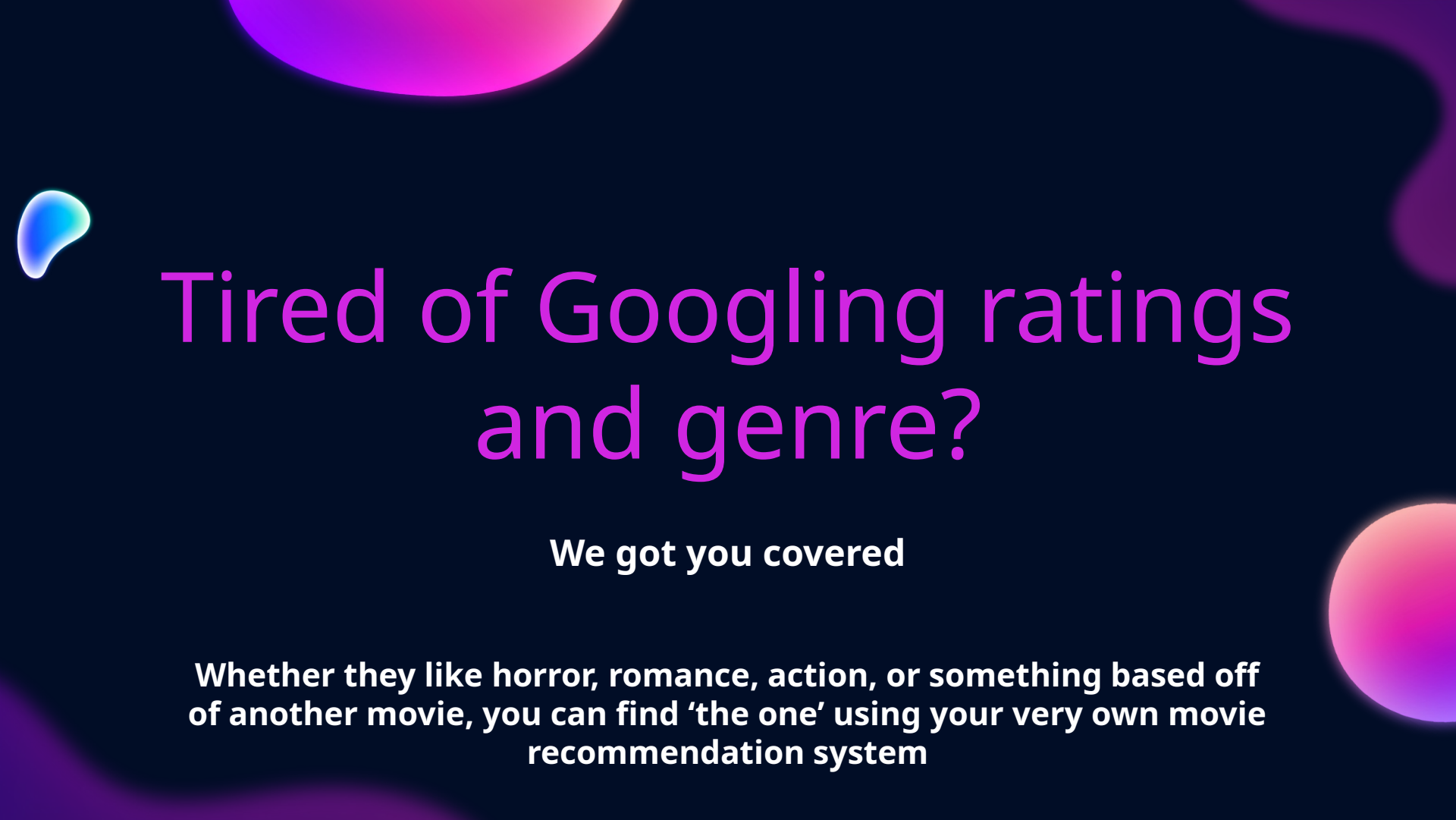




Happy
Valentine's Day!



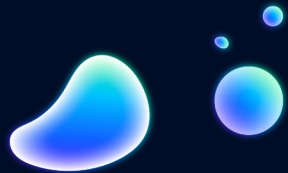
Looking for the perfect date
night movie?



Tired of Googling ratings and genre?

We got you covered

**Whether they like horror, romance, action, or something based off
of another movie, you can find 'the one' using your very own movie
recommendation system**



This woman learned TF-IDF and then found love in the metaverse, apparently.

TF-IDF

Term frequency,
Inverse document frequency





Movie Description		
“A beautiful love story between a cat and a dog.”		
“Two cute forest deer fall in love.”		
“A brutal murder goes unsolved for a decade.”		

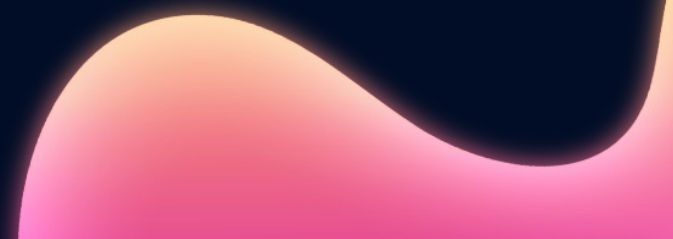


Movie Description	“love”	
“A beautiful love story between a cat and a dog.”		
“Two cute forest deer fall in love.”		
“A brutal murder goes unsolved for a decade.”		



Movie Description	“love”	
“A beautiful love story between a cat and a dog.”	1	
“Two cute forest deer fall in love.”		
“A brutal murder goes unsolved for a decade.”		





Movie Description	“love”	
“A beautiful love story between a cat and a dog.”	1	
“Two cute forest deer fall in love .”	1	
“A brutal murder goes unsolved for a decade.”		



Movie Description	“love”	
“A beautiful love story between a cat and a dog.”	1	
“Two cute forest deer fall in love .”	1	
“A brutal murder goes unsolved for a decade.”	0	





Movie Description	“love”	“a”
“A beautiful love story between a cat and a dog.”	1	
“Two cute forest deer fall in love .”	1	
“A brutal murder goes unsolved for a decade.”	0	





Movie Description	“love”	“a”
“A beautiful love story between a cat and a dog.”	1	3
“Two cute forest deer fall in love.”	1	
“A brutal murder goes unsolved for a decade.”	0	





Movie Description	“love”	“a”
“A beautiful love story between a cat and a dog.”	1	3
“Two cute forest deer fall in love.”	1	0
“A brutal murder goes unsolved for a decade.”	0	



Movie Description	“love”	“a”
“A beautiful love story between a cat and a dog.”	1	3
“Two cute forest deer fall in love.”	1	0
“A brutal murder goes unsolved for a decade.”	0	2

$$\begin{array}{l} \text{"love"} \\ \text{"a"} \\ \text{"cat"} \end{array} \begin{bmatrix} 1 \\ 0.1 \\ 1 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 0.2 \\ 0 \end{bmatrix} \begin{array}{l} 1 \\ 0.02 \\ 0 \end{array}$$

1.02 (Similarity)

Similarity Matrix

		Movie A	Movie B	Movie C	Movie D
Movie A		1	0.7	0.1	0.2
Movie B		0.7	1	0.3	0.2
Movie C		0.1	0.3	1	0.9
Movie D		0.2	0.2	0.9	1