😊 Topic Modeling - Auto Classifier
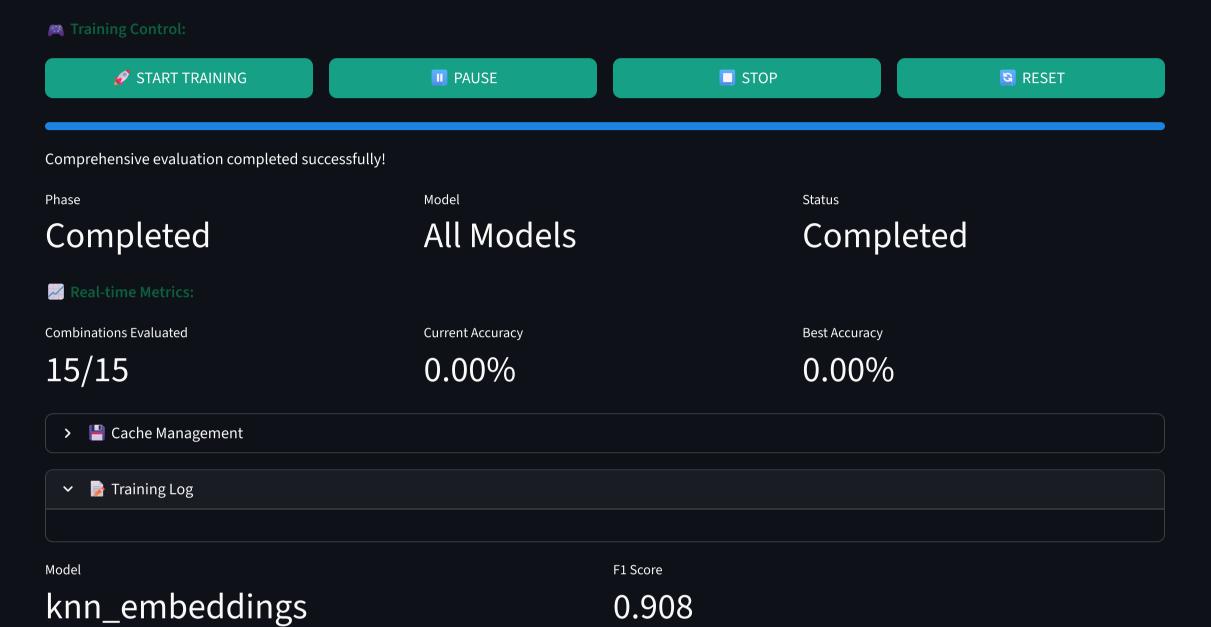
Intelligent Text Classification with Machine Learning

📍 STEP 4/5: Training Execution & Monitoring

🎮 **Training Control:**

🚀 START TRAINING	⏸ PAUSE	⏹ STOP	🔄 RESET

Comprehensive evaluation completed successfully!

Phase
Completed

Model
All Models

Status
Completed

📈 **Real-time Metrics:**

Combinations Evaluated
15/15

Current Accuracy
0.00%

Best Accuracy
0.00%

> 💾 Cache Management

> 📄 Training Log

Model
knn_embeddings

F1 Score
0.908

📊 Detailed Results Table

Model	Embedding	CV Accuracy	Test Accuracy	Precision	Recall	F1 Score	Overfitting	Training Time
Decision Tree	Embeddings	0.770±0.001	0.772	0.771	0.772	0.772	High Overfitting - 0.229	731.43
Naive Bayes	Bow	0.883±0.002	0.883	0.884	0.883	0.883	Good Fit - 0.008	0.29
Naive Bayes	Tfidf	0.886±0.003	0.887	0.887	0.887	0.886	Good Fit - 0.008	0.17
Naive Bayes	Embeddings	0.831±0.002	0.832	0.842	0.832	0.834	Good Fit - 0.000	3.11
Kmeans	Bow	0.499±0.034	0.524	0.530	0.524	0.479	Good Fit - -0.001	232.80
Kmeans	Tfidf	0.634±0.063	0.709	0.777	0.709	0.712	Good Fit - 0.000	232.20
Kmeans	Embeddings	0.755±0.001	0.756	0.791	0.756	0.758	Good Fit - 0.000	5.91
Ensemble Learning	Bow	0.835±0.001	0.840	0.841	0.840	0.840	Well Fitted	3204.42
Ensemble Learning	Tfidf	0.878±0.001	0.882	0.881	0.882	0.881	Well Fitted	3233.12
Ensemble Learning	Embeddings	0.876±0.002	0.879	0.880	0.879	0.879	Well Fitted	3544.19

📥 Download Results CSV

🎯 Next Step: Proceed to Step 5 to analyze and export results!

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Navigation

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- ☑ Step 2: Column Selection & Preprocessing
- ☑ Step 3: Model Configuration
- ☑ Step 4: Training Execution
- ⏳ Step 5: Results Analysis