

DIRECTORY STRUCTURE

swayam_project/ (PyCharm Root - Run 'python app.py' here)

- |— app.py :Flask Web App (localhost:5000)
- |— eda_viz.py :Exploratory Data Analysis Visualized
- |— main.py :Not Used
- |— DOCUMENTATION
 - | |— IMAGES
 - | |— ALL REPORTS :Contains Detailed Report
 - | |— DIRECTORY STRUCTURE :This Document
- |— DATASET/
 - | |— zomato.csv :Raw (51,717 rows × 17 cols)
 - | |— zomato_clean.csv :Cleaned (12,787 rows × 12 cols)
- |— PREPROCESSING/
 - | |— preprocessing.py :EDA + Data Cleaning (Phase 2+3)
- |— src/
 - | |— __init__.py
 - | |— content_based.py :TF-IDF Model + evaluate_model() (Phase 4+5)
- |— model/
 - | |— tfidf_model.pkl :Trained Model (Flask loads)
- |— MODEL OPTIMIZATION/
 - | |— Hyperparameter_Tuning.py :Model Optimization
 - | |— tuning_results.csv
- |— templates/
 - | |— home.html :Search Form (Name/Cuisine/Location)
 - | |— home2.html :Results + Viz (Optional)
- |— .venv/ :Python Virtual Environment