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co2_emissions_estimator/
├── backend/
│   ├── emissions_model.py    # Regression model logic
│   ├── calculator.py         # Main calculator logic
│   ├── emission_factors.py   # Static CO2 coefficients
│   └── data_preprocessing.py  # Dataset cleaning & model training
├── frontend/
│   ├── app.py                # Streamlit UI logic
│   ├── visuals.py            # Emissions charting
│   └── tips.py                # Tips based on input
├── models/
│   └── emissions_regressor.pkl # Trained ML model
├── data/
│   ├── ghg_factors.csv       # Raw emission data
│   └── cleaned_data.csv      # Processed dataset
├── assets/
│   ├── logo.png              # Branding
│   └── icons/                 # Icons for UI (optional)
├── requirements.txt           # Dependencies
├── README.md                  # You are here!
└── run_app.py                 # App entry point
```