

1. Recommended Project Structure

text

auralytica-tel-ai/

|

├─ app.py

├─ config.py

├─ run.py

├─ requirements.txt

├─ README.md

|

├─ agents/

| └─ __init__.py

| └─ orchestrator.py

| └─ preprocessing_agent.py

| └─ sentiment_agent.py

| └─ insight_agent.py

| └─ visualization_agent.py

|

├─ utils/

| └─ __init__.py

| └─ data_loader.py

| └─ database.py

|

├─ data/

| └─ sample_feedback.csv

|

├─ static/

```
|   ├── css/
|   |   └── style.css
|   └── js/
|       └── dashboard.js
|
|   ├── templates/
|   |   ├── index.html
|   |   └── dashboard.html
|   |
|   ├── logs/
|   |
|   └── .env      # (add this for sensitive configs, not committed, see below)
```

2. Key Instructions for Git Setup

Step 1: .gitignore

Create a file .gitignore in your root containing:

text

.env

*.db

__pycache__/

*.pyc

logs/

uploads/

exports/

*.log

*.pkl

instance/

Step 2: Environment Variables (.env)

Create a .env example (do not commit real secrets)

text

SECRET_KEY=your-strong-secret-key

DEBUG=True

OPENAI_API_KEY=sk-xxxxxxxxxxxx

AZURE_AI_ENDPOINT=https://your-azure-endpoint/

AZURE_AI_KEY=your-azure-key

DATABASE_URL=sqlite:///auralytica.db

Step 3: README.md (summarized for execution)

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AuralyTica Tel AI

Quickstart

Clone repo

git clone <https://github.com/yourname/auralytica-tel-ai.git>
cd auralytica-tel-ai

[optional] Create virtual env

python -m venv venv
source venv/bin/activate

Install dependencies

pip install -r requirements.txt

Create .env file (see .env.example)

Download NLTK data if needed:

```
python -c "import nltk; nltk.download('vader_lexicon'); nltk.download('stopwords');  
nltk.download('punkt')"
```

Run

python run.py

App available at <http://localhost:5000>

text

undefined

Step 4: Add Sample Data

- a) data/sample_feedback.csv with basic test entries
 - b) static/css/style.css, static/js/dashboard.js (UI/UX)
 - c) Template files in templates/ as per your previous output
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Step 5: Deploy-Ready Tips

- All configs loaded via config.py + .env
- No secrets or data checked into git
- All agent classes in /agents
- Utilities in /utils
- Frontend works locally and in most web hosts (Heroku, Azure, Render, PythonAnywhere)
- Logging to logs/
- Use gunicorn for prod:

bash

pip install gunicorn

gunicorn -w 4 -b 0.0.0.0:5000 app:app

Step 6: GitHub Repo Init

1. git init
 2. git add .
 3. git commit -m "Initial commit: AuralyTica Tel AI hackathon version"
 4. git remote add origin <your-repo-url>
 5. git push -u origin main
-

3. What to Include Before First Commit

- All Python code (as generated previously)
 - All agent, utils, template, static, and data files
 - Any “how to run” info in README.md
 - Sample .env.example
 - One or more screenshots for docs/branding (optional: /docs/screenshots/)
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4. How to Launch (Summary)

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```
git clone <repo-url>
```

```
cd auralytica-tel-ai
```

```
pip install -r requirements.txt
```

```
cp .env.example .env      # edit as needed
```

```
python run.py
```

or for prod:

```
gunicorn -w 4 -b 0.0.0.0:5000 app:app
```

If you need the full codebase as a ZIP or script to auto-generate the folders and boilerplate for upload, let me know!

You can use the structure and README above to quickly get “Git ready” and deploy to any cloud, local server, or hackathon VM within minutes.