

Responsible-ai-trustllm Setup Document

1) Prerequisites:

- Python 3.9 and above
- Mongodb

2) Installation Steps

- Clone the repository
- Create a virtual environment using the command `python -m venv <name>` and activate it by going to Scripts and running the command `activate.bat`
- Install dependencies.
 - Go to trustllm\requirements and run
`pip install -r requirements.txt`
- Configuration
 - Add required environment variables in .env file.

Configurations	Sample Configurations
Header Configurations: allow_methods = "\${allow_methods}" allow_origin = "\${allow_origin}" content_security_policy = "\${content_security_policy}" cache_control = "\${cache_control}" XSS_header = "\${xss_header}" Vary_header = "\${vary_header}"	Pragma: no-cache Vary_header: Origin X-Content-Type-Options: nosniff X-Frame-Options: SAMEORIGIN XSS_header: 1; mode=block allow_methods: ["GET", "POST"]' allow_origin: ["http://localhost:8000/"]' cache_control: no-cache; no-store; must-revalidate content_security_policy: 'default-src "self";img-src data: https;;object-src "none";script-src
Database Configurations: DB_NAME = "\${dbname}" DB_NAME_WB = "\${dbname_wb}" DB_USERNAME = "\${username}" DB_PWD = "\${password}" DB_IP = "\${ipaddress}" DB_PORT = "\${port}" MONGO_PATH="mongodb://\${DB_USERNAME }:\${DB_PWD}@\${DB_IP}:\${DB_PORT}/" DB_TYPE="\${dbtype}"	DB_NAME_WB="rai_database" DB_NAME = "rai_database" DB_USERNAME="user" MONGO_PATH="mongodb://user:123mongo@localhost:27071/?authMechanism=DEFAULT" DB_TYPE="mongo"

- Run the application
 - Go to trustllm/src
 - Run `python main_api.py`

Swagger url: <http://localhost:8000/api/v1/trustllm/docs>

The image shows a Swagger UI interface for the 'Infosys Responsible AI - LLM Evaluation' API. The interface is organized into three main sections: 'Infosys Responsible AI - LLM Evaluation', 'Infosys Responsible AI - Utils', and 'Infosys Responsible AI - Scores'. Each section contains a list of API endpoints with their respective HTTP methods and descriptions. The 'Infosys Responsible AI - LLM Evaluation' section includes three endpoints: a GET endpoint for '/api/v1/trustllm/dataset' (Dataset), a GET endpoint for '/api/v1/trustllm/offline/generation/' (Offlinegeneration), and a POST endpoint for '/api/v1/trustllm/evaluation' (Evaluation). The 'Infosys Responsible AI - Utils' section includes two GET endpoints: '/api/v1/trustllm/get/generationStatus' (Generationstatus) and '/api/v1/trustllm/get/generatedDataset' (Dataset). The 'Infosys Responsible AI - Scores' section includes one GET endpoint: '/api/v1/trustllm/scores/fairness/getScores' (Getscore). The interface features a sidebar on the right with navigation icons and a search bar.

Method	Endpoint	Description
GET	/api/v1/trustllm/dataset	Dataset
GET	/api/v1/trustllm/offline/generation/	Offlinegeneration
GET	/api/v1/trustllm/online/generation/	Onlinegeneration
POST	/api/v1/trustllm/evaluation	Evaluation

Method	Endpoint	Description
GET	/api/v1/trustllm/get/generationStatus	Generationstatus
GET	/api/v1/trustllm/get/generatedDataset	Dataset

Method	Endpoint	Description
GET	/api/v1/trustllm/scores/fairness/getScores	Getscore