

Installation Guide

Frontend Requirements

- Node.js v18 or newer
- A modern web browser (e.g., Chrome)

Backend Requirements

- Python 3.12.7
- uv (a fast Python package manager)

Install uv:

```
curl -Ls https://astral.sh/uv/install.sh | sh
```

Step 1: Clone the Repository

Open a terminal and run the following command:

```
git clone https://github.com/th-aslam0/W25_4495_S1_TamoorHaiderA.git
```

Step 2: Run the Frontend

1. Navigate to the frontend directory:

```
cd W25_4495_S1_TamoorHaiderA/Implementation/Asklytics/app
```

2. Install the required packages:

```
npm install
```

3. Start the development server:

```
npm run dev
```

4. Open a browser and visit: <http://localhost:3000>

Step 3: Run the Backend

1. Navigate to the backend root directory:

```
cd ../
```

2. Create a virtual environment using Python 3.12.7:

```
uv venv --python 3.12.7
```

3. Sync and install project dependencies:

```
uv sync
```

4. Activate the virtual environment:

```
source .venv/bin/activate
```

5. Add the required API credentials:

- You have received an email with API keys to put in mac.env file.
- Once replaced, load it using:

```
source mac.env
```

6. Navigate to the backend API directory:

```
cd api
```

7. Start the backend server:

```
uv run uvicorn main:app --reload
```

Test Website with GA4 Integration

You can test the tool on a live GA4-integrated site like the one given below but you need the parent Google Account credentials that who owns the GA4 account for your site.

```
https://th-aslam.github.io
```
