

GLOBAL TREND – API Integration Internship Assignment

Thank you for applying for the API Integration Internship with GLOBAL TREND.

Assignment Overview

You are required to build a small script or mini-application that fetches data from a public API and presents it in a clear, structured, and filtered manner. This assignment helps us understand your API handling, coding style, and documentation skills.

Requirements

- Choose any public REST API (e.g., OpenWeather, GitHub, NewsAPI, JSONPlaceholder).
- Fetch data from at least two different endpoints.
- Store or cache fetched data in memory, a local file, or a simple database.
- Provide a clean output (CLI or basic API endpoints) that can:
 - List items with filtering options
 - Show detailed view for a single item by ID
- Implement proper error handling for:
 - Network failures
 - Invalid responses
 - Timeouts
 - Missing or malformed fields
- Add a README that clearly explains:
 - Setup and run instructions
 - Endpoints used
 - Filters implemented
 - Assumptions or notes

Deliverables

- GitHub repository link containing your code
- README with setup instructions
- Optional: Sample requests, test outputs, or screenshots

Evaluation Criteria

- Code structure and readability
- Correct use of REST APIs & JSON
- Error handling and logical clarity

- Documentation quality
- Ability to follow instructions