Sarmad Farooq

Python Developer at LInked Matrix

Adaptable Python Developer with one year of hands-on experience creating efficient code. Proficient in Python, web development Django, database management, and API integration. Collaborative team player with strong problem-solving skills and a commitment to continuous learning.

LinkedIn:https://www.linkedin.com/in/ch-sarmad-farooqba/
Github:https://github.com/isarmadfarooq

Contact Info

03347872040

i.sarmadfarooq@gmail.com

Lahore,Pakistan
Shorkot, Pakistan

Strengths & Skills

- ✔ API integration and RESTful services
- ✔ Database management (e.g SQL SQLite PostgreSQL)
- ✔ Python
- ✔ Git and version control
- ✔ Framework(Django)
- ✔ Docker
- ✔ Redis Cache

Academics

Title	Institute	Date
BS Computer Science	University of Engineering and Technology Lahore, Lahore	2023

Experience 1 year

Company	Designation	Duration	
LInked Matrix	Python Developer	Jan 2023 - Present	**1 year**

Work History

LInked Matrix — **Jan 2023 - Present (1 year)**

Python Developer

Lahore, Pakistan

My expertise lies in a comprehensive set of skills:

- Proficient in Python, encompassing key libraries and frameworks.
- Well-versed in Git and version control for efficient collaboration.
- Expertise in database management, including SQL, SQLite, and PostgreSQL.
- Specialized in the Django web framework for robust web application development.
- Adept at API integration and the implementation of RESTful services.
- Possess basic knowledge of cloud platforms such as AWS and Azure.
- Collaborated with developers to identify and eliminate software bugs.
- Demonstrated the ability to write clear, clean code for diverse projects.
- Engaged in continuous learning through shadowing team members and mastering new tasks.
- Proficient in handling scripting tasks for debugging and automation.
- Implemented Docker containers to ensure consistency across development, testing, and production environments.

Projects

Weather Data Analytics CLI

Company: LInked Matrix

https://github.com/LinkedMatrix/training/tree/sarmad/weather-cli-task/weather_cli

Tools: Click, Pandas, Logging Module,CSV Module

Overview: The Weather Analytics CLI Application is a Python-based command-line tool designed for importing, analyzing, and exporting raw weather data. The application provides a set of commands to efficiently handle weather data, perform analytics, and export results for further use.

Features:

1. **Command-Line Interface:**
    - **import:** Imports raw weather data from a text or CSV file.
    - **analyze:** Performs analytics on the imported data.
    - **export:** Exports the analytics results to a text or CSV file.
2. **Data Import:**
    - Reads raw weather data from a text or CSV file.
    - Supports metrics such as temperature, humidity, and wind speed for different dates and times.
    - Handles potential issues like malformed data, file not found, and invalid input.
3. **Data Analysis:**
    - **Calculate Metrics:**
        - Calculates the average, minimum, and maximum temperature for a given time range.
        - Identifies trends, such as increasing or decreasing humidity, over a specific period.
        - Determines the windiest day within a given time range.
4. **Data Export:**
    - Exports the results of the analysis to a text or CSV file.
    - Provides flexibility for users to choose the output format.
5. **Logging:**
    - Logs every action performed by the application.
    - Includes logging for importing data, performing calculations, and exporting results.
6. **Error Handling:**
    - Implements robust error handling to manage potential issues gracefully.
    - Provides clear error messages for users to understand and address problems.
7. **Unit Tests:**
    - Includes a comprehensive set of unit tests to verify the functionality of the code.
    - Ensures the reliability and correctness of the application.