Instagram Friendship Analyzer

Uncovering the hidden patterns in your Instagram interactions with Python.

The Spark Behind the Project

Inspired by a LinkedIn Post

Months ago, I stumbled upon an Instagram Analyzer project on LinkedIn. It sparked an idea: why not build my own?

Applying New Skills

This project became the perfect playground to implement advanced Python concepts like serialization, deserialization, and robust exception handling in a real-world scenario.

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Key Features & Highlights

End-to-End Data Pipeline

From raw Instagram data to insightful visualizations.

Reply Time Analytics

Discover your fastest, slowest, and average reply times with friends.

Friendship Ranking

Identify your Top 10 best friends and those notoriously slow repliers 🐌.

Interaction Stats

Deep dive into story interactions, followers, and following statistics.

Interactive Dashboard

Powered by Streamlit and Altair for dynamic, visual insights.

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Two Powerful Versions

FriendAnalyzerIG.py

The core engine: clean, minimal UI, focused on pure data analysis logic and efficiency.

View Code

FriendAnalyzerIG_(EnhancedUI).py

Same robust logic, but with a polished user experience, featuring custom CSS, engaging charts, and subtle animations.

Explore UI

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Privacy-First Approach

100% Local Execution

All analysis happens directly on your machine. No cloud processing, no third-party servers.

Metadata Only

The analyzer processes only essential metadata: timestamps, counts, and participant IDs. Your actual content remains untouched.

No Media, No Ads, No Uploads

Your photos, videos, and private messages are never accessed. The tool specifically avoids any data that could compromise your privacy.

Your Data Stays Private

We ensure your digital footprint remains yours alone, providing peace of mind while you gain insights.

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Ready to Analyze Your Friendships?

Dive into the Code

Explore the full source code, contribute, or fork the repository on GitHub:

GitHub Repo

Experience the Live Demo

Interact with the deployed application and see the insights firsthand:

Streamlit App

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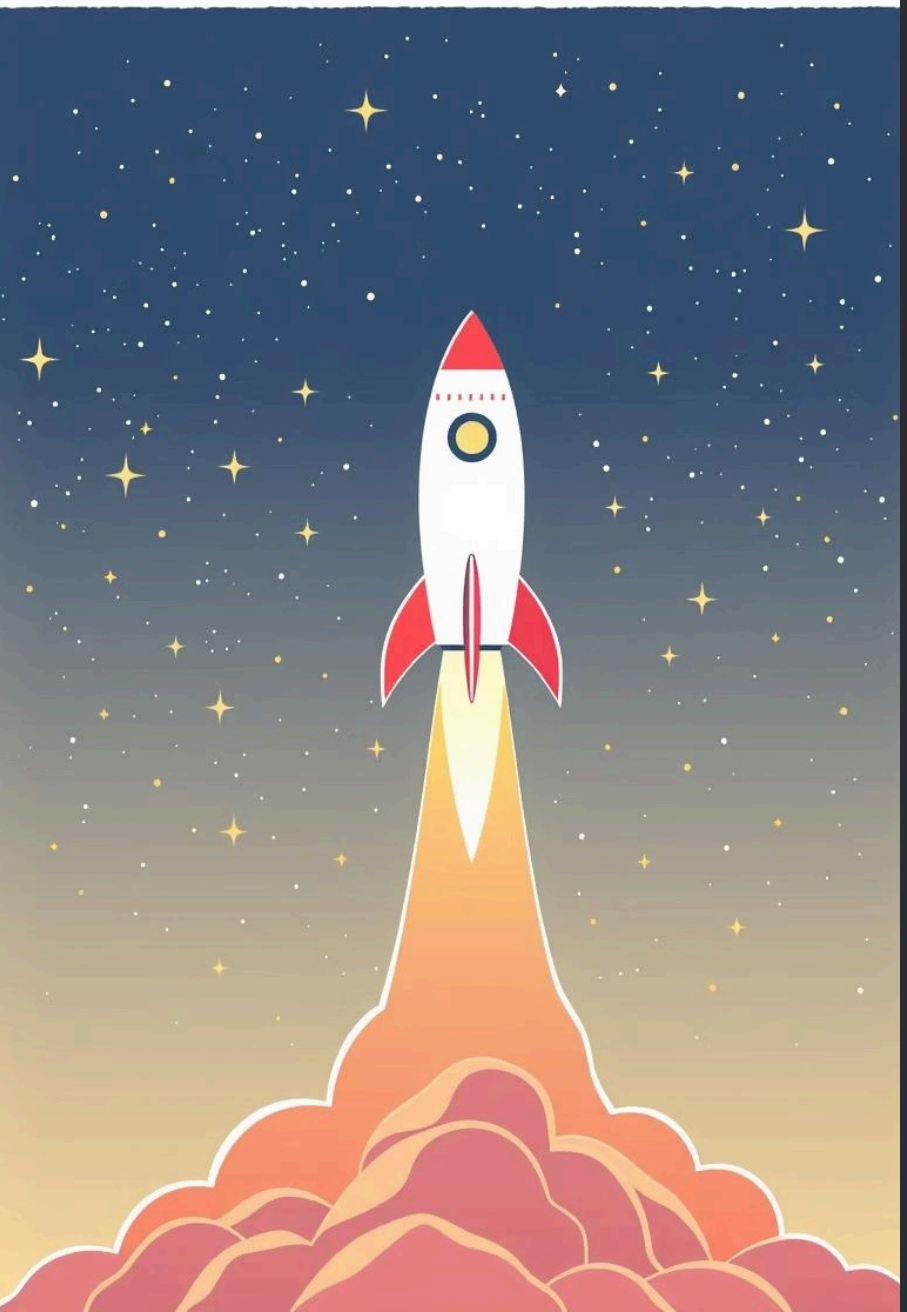

Reflecting on the Journey

> "One of my best projects so far! Showcasing Python Analysis + Advanced Concepts in a fun way."

This project truly pushed my boundaries, blending complex technical implementation with a practical and engaging application.

Your feedback and suggestions are invaluable. Let's connect and discuss future enhancements!

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Thank You!

Connecting with Code & Creativity

Reach out for collaborations, questions, or just to chat about data!

Connect with me:

LinkedIn | GitHub | sheeraz23445@gmail.com

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