**Using the Fitbit Web API with Python, MongoDB**

**and Streamlit**

Diagram

Description automatically generatedA Beginner's Guide for Storing and Visualizing FitBit data

Photo from [FitBit](https://www.fitbit.com/dev) site

In today's data-driven world, the ability to collect, store, and analyze data has become more critical than ever before. Public APIs offer an excellent way to acquire data from various sources, and the Fitbit Web API is a perfect example of this.

It provides access to a wealth of fitness-related data, including step counts, heart rate, and sleep patterns, making up a rich source of information for developers, data scientists, and fitness enthusiasts.

In this tutorial, we will explore how to use the Fitbit Web API to acquire data, store it in a NoSQL database and visualize it on a web platform using [Streamlit](https://streamlit.io/), an open-source Python library for building beautiful custom web apps for machine learning and data science.

With this tutorial, you will learn how to extract insights from your fitness data and create a custom dashboard that displays your progress over time. Whether you are a fitness enthusiast or a data scientist, this tutorial is a valuable resource for anyone interested in working with Fitbit Web API data.

**Data Collection**

**Data Storage**

**Data Visualization**

*I hope you find this tutorial useful. Please let me know if you have any thoughts or concerns.*

*Thanks for reading!*