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Meri Nova

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Stop using static datasets to build your ML project!
Instead, use public APIs and impress hiring managers with your skills.

Here are 5 project ideas with API links to get you started: 📌

1. Stock Market Trend Prediction

Project: Build a model to predict stock price movements based on live financial data. Use the Alpha Vantage API to pull historical and real-time market data and combine it with sentiment analysis from news articles.

API: Alpha Vantage - (<https://lnkd.in/gdU2raHM>)

What you'll learn: Time Series Forecasting, Sentiment Analysis, Feature Engineering, Python, API Integration

2. Music Recommender

Project: Build a personalized music recommender system using Spotify's API. Use user listening history, song features, and artist popularity to recommend tracks that match user preferences.

API: Spotify - <https://lnkd.in/gJY8VsCj>

What you'll learn: Recommender Systems, Collaborative Filtering, Python, API Integration

3. Social Media Sentiment Tracking

Project: Build a sentiment analysis dashboard that monitors public sentiment towards companies or products in real-time using Twitter's API. This project can track how sentiment correlates with stock price or product sales.

API: Twitter API - (<https://lnkd.in/gv8E9jdt>)

What you'll learn: Natural Language Processing, Sentiment Analysis, Data Visualization, Python, API Integration

4. Housing Market Price Prediction

Project: Create a model that predicts housing prices in your neighborhoods by

pulling real estate data from Zillow's API. Combine it with demographic data from government APIs to find trends in housing affordability.

APIs: Zillow API - (<https://lnkd.in/gqAypm7U>), US Census API - (<https://lnkd.in/gR7RkVvi>)

What you'll learn: Regression, Feature Engineering, Data Merging, Python, API Integration

5. Health Trend Prediction


Project: Analyze global health trends using WHO's public health data API. Build a time series model to forecast future trends in diseases and predict which regions may need more healthcare resources in the future.

API: WHO Global Health Observatory API - (<https://lnkd.in/gAuCcC8e>)


What you'll learn: Time Series Analysis, Data Visualization, Forecasting, Python, API Integration

If this is not enough, you can also choose from 100s more public APIs from this repo - <https://lnkd.in/gn7m3me7> !

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 An extra gift for you!

Grab this free Data Projects Guide and make your portfolio stand out.

Access it here 

<https://lnkd.in/g4Hkib6b>

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