Dashboards for Job Market Analysis and Recommendation System
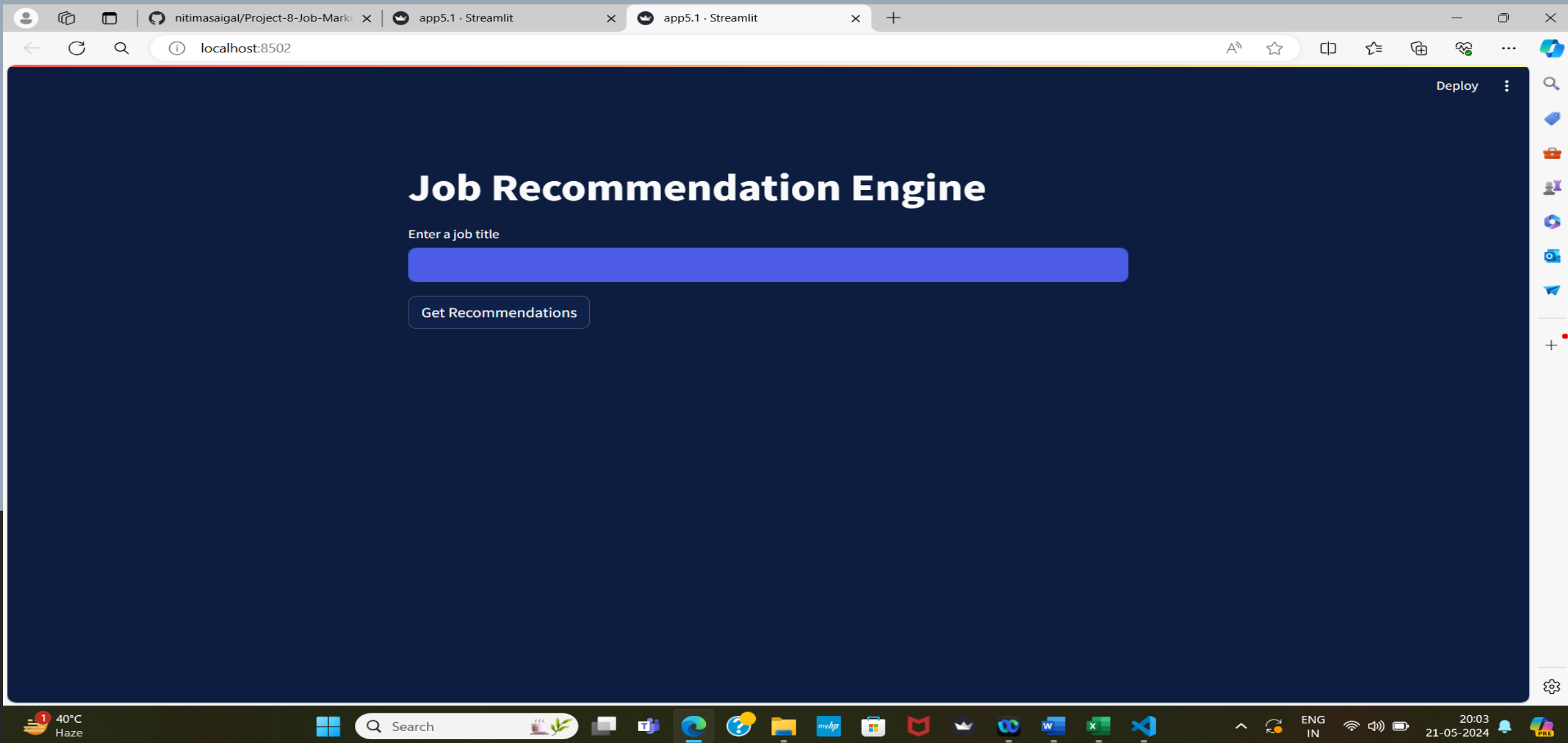
Task 5: Create a job recommendation engine based on current job postings

Job Recommendation Engine

Enter a job title

Data Scientist

Get Recommendations

	company	job
0	ABC Corp	Data Engineer

Job Recommendation Engine

`st.cache` is deprecated. Please use one of Streamlit's new caching commands, `st.cache_data` or `st.cache_resource`.

More information in our docs.

Loaded job data:

	job_id	job_title	company	location	description	salary
0	1	Software Engineer	ABC Corp	United States	Develop software applications.	120,000
1	2	Data Scientist	XYZ Inc	Germany	Analyze data and build models.	130,000
2	3	Web Developer	Data Works	Canada	Design and develop websites.	115,000
3	4	Appointment Setter	Google	India	Setting appointments	110,000
4	5	Customer Service	Microsoft	Portugal	Custome Servicing	100,000

Enter a job title

Get Recommendations

2	3	Web Developer	Data Works	Canada	Design and develop websites.	115,000
3	4	Appointment Setter	Google	India	Setting appointments	110,000
4	5	Customer Service	Microsoft	Portugal	Custome Servicing	100,000

Enter a job title

Data Scientist

Get Recommendations

Job title entered: Data Scientist

Filtered recommendations:

	job_id	job_title	company	location	description	salary
1	2	Data Scientist	XYZ Inc	Germany	Analyze data and build models.	130,000

	job_id	job_title	company	location	description	salary
1	2	Data Scientist	XYZ Inc	Germany	Analyze data and build models.	130,000

Task 6: Track changes in job market dynamics over months
A dashboard that updates monthly with new trends in the job market

Job Market Dynamics Dashboard

Job Postings Over Time

Data loaded successfully

Published date converted successfully

Processed data:

	year_month	job_count
0	2024-01	3
1	2024-02	523
2	2024-03	738
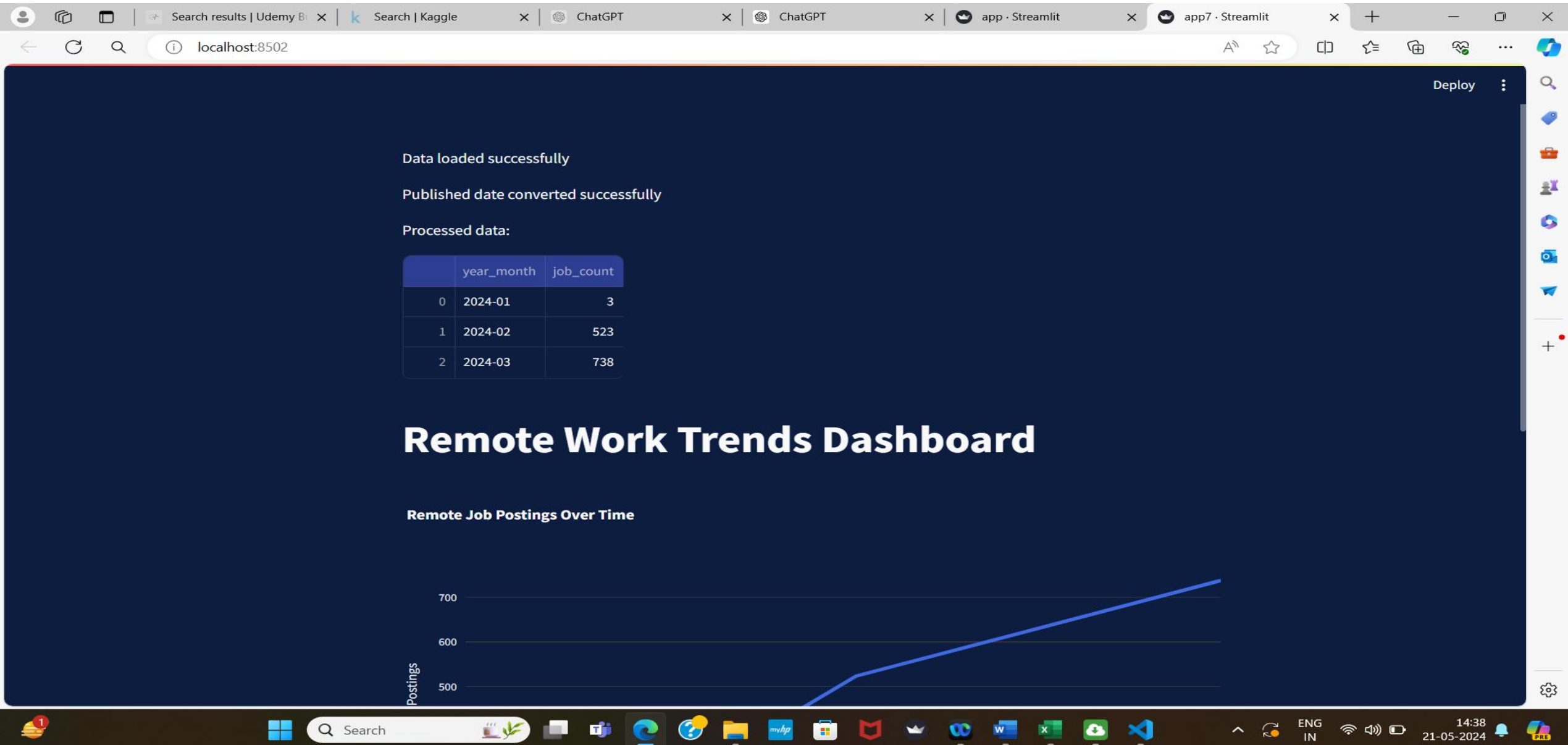
Remote Work Trends Dashboard

Remote Job Postings Over Time

Remote Work Trends Dashboard

Remote Job Postings Over Time

Remote Job Postings Over Time
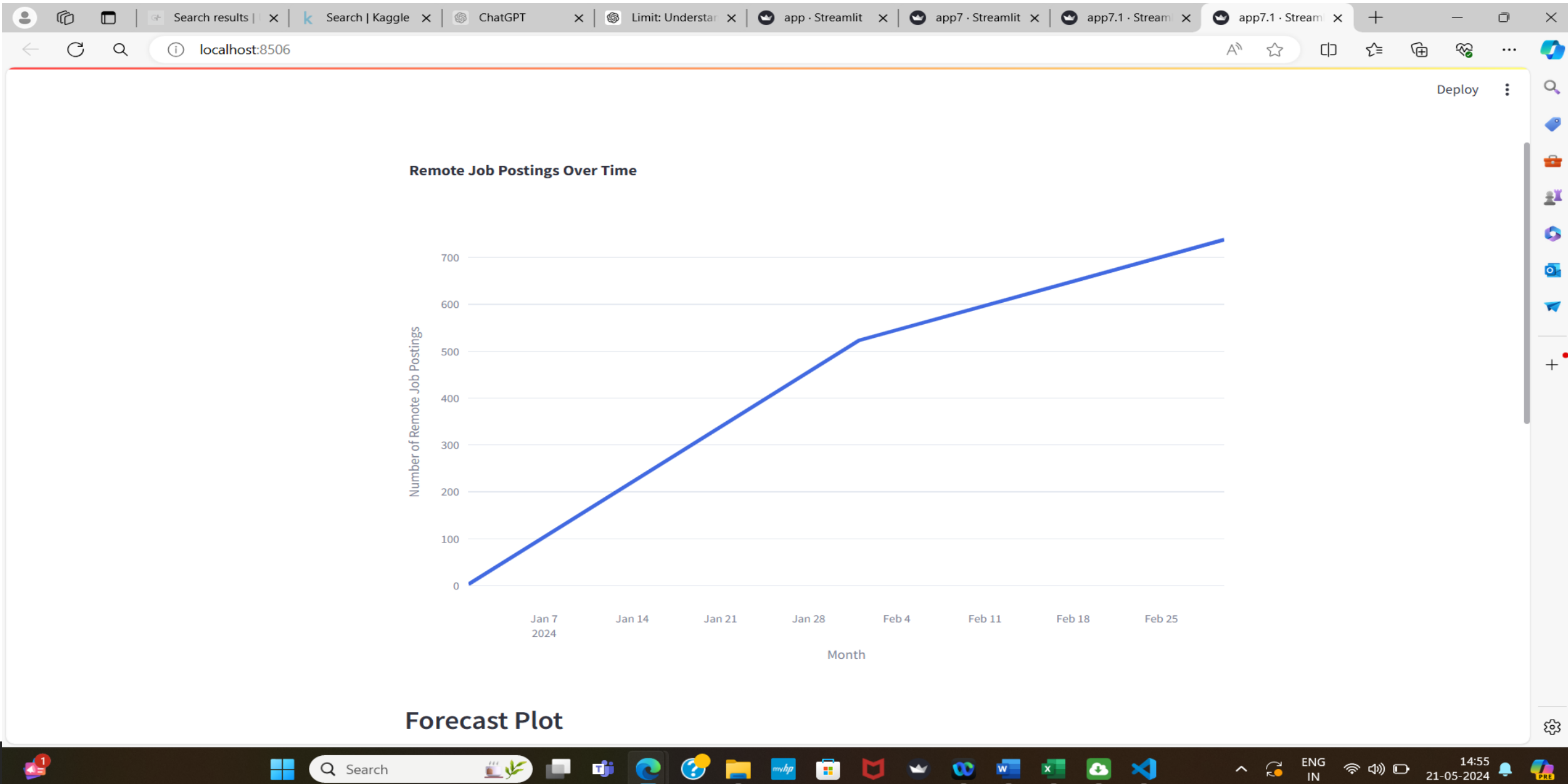
Forecast Plot

Forecast Plot
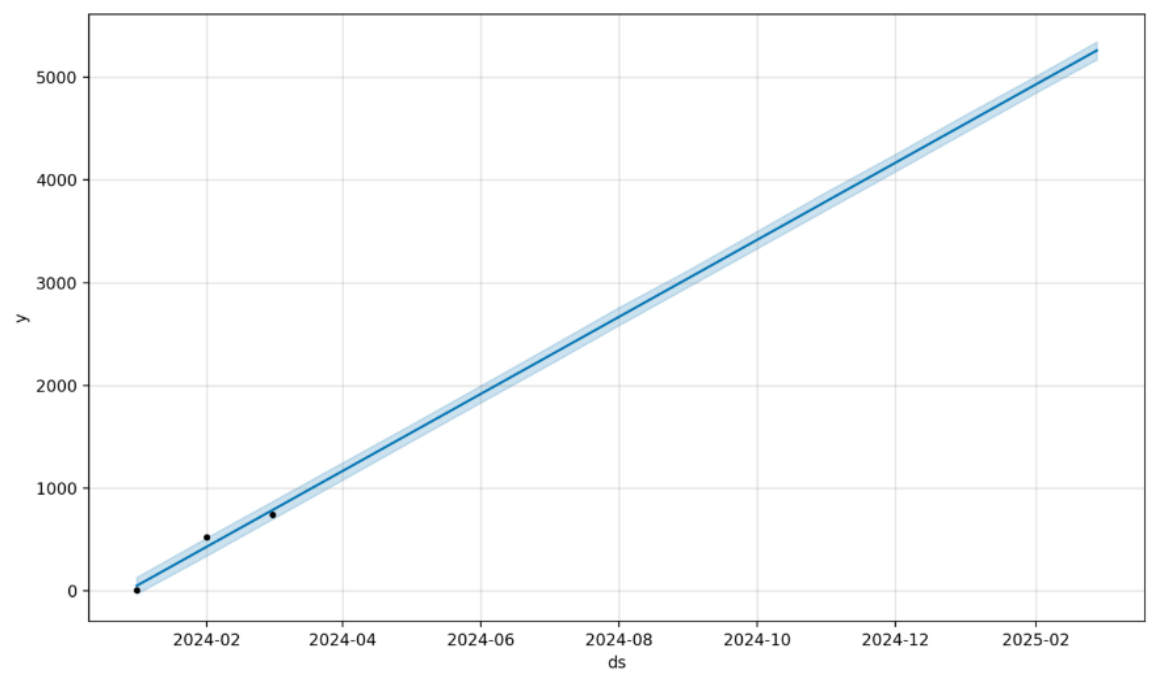
Summary and Insights

- The number of remote job postings has shown [increase] over the past months.

- According to the forecast, the trend is expected to [continue] in the coming year.

- Key factors influencing this trend include factors such as industry changes, economic conditions, etc.

Refresh Data

THANKYOU

NITIMA SAIGAL