



# 1 Article

10.46 seconds

No issues

→ fast and all fields were extracted.

No error ✓

5 Articles.

1 min 01 seconds.

No errors

10 articles

2 min 28 sec

No errors

25 article

no error

6 min 32 sec

50 Articles

1 error

12 min 10 sec

ReviewAid / AI Screener & Extra New tab

reviewaid-ai.streamlit.app

Stop Fork

System Terminal (Background Processing)

```
[17:05:31.263] SYSTEM: --- Starting File 32/50: Nicholas et al. - 194 Natalizumab treatment for MS UK and global results from TOP.pdf ---
[17:05:31.263] DEBUG: New file detected. Proceeding with extraction.
[17:05:31.263] DEBUG: Initializing PDF extraction engine (PyMuPDF)...
[17:05:31.263] INFO: Document opened successfully. Total pages: 2
[17:05:31.273] DEBUG: Metadata read -> Title: '', Author: ''
[17:05:31.273] DEBUG: Year found on Page 1: 2019
[17:05:31.273] INFO: Text extracted. Length: 6206 chars.
[17:05:31.274] INFO: Text preprocessed. Input Tokens: -128000.
[17:05:31.274] DEBUG: Calculating heuristic confidence for mode: extractor
[17:05:31.274] DEBUG: No extracted data available for validation. Defaulting to 0.4.
[17:05:31.274] INFO: Initial heuristic confidence score estimated: 0.4
[17:05:31.274] INFO: Preparing extraction fields: Paper Title, Result, Population, Intervention, Comparison, Outcome, Type of Study
[17:05:32.274] DEBUG: Initializing ZAI Client...
[17:05:32.276] DEBUG: API Call Attempt 1/10...
[17:06:04.297] SUCCESS: Response received successfully.
[17:06:04.299] ERROR: API returned empty response. Retry 2/3...
[17:06:06.299] DEBUG: Initializing ZAI Client...
```

Processed 62% of papers... Processing Natalizumab related progressive multifocal leukoencephalopathy.pdf

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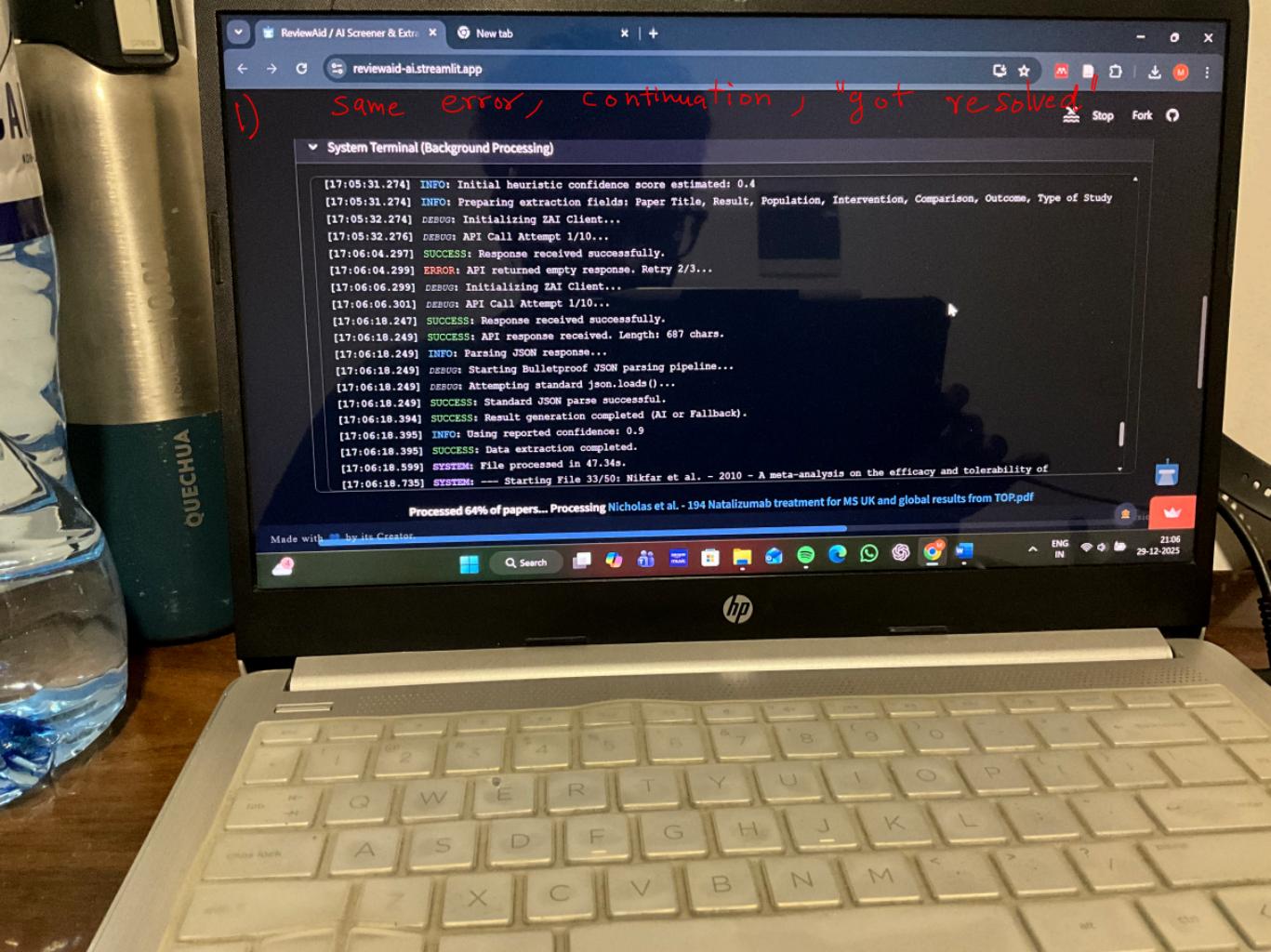


1) same error, continuation, "got resolved"

```
[17:05:31.274] INFO: Initial heuristic confidence score estimated: 0.4
[17:05:31.274] INFO: Preparing extraction fields: Paper Title, Result, Population, Intervention, Comparison, Outcome, Type of Study
[17:05:32.274] DEBUG: Initializing ZAI Client...
[17:05:32.276] DEBUG: API Call Attempt 1/10...
[17:06:04.297] SUCCESS: Response received successfully.
[17:06:04.299] ERROR: API returned empty response. Retry 2/3...
[17:06:06.299] DEBUG: Initializing ZAI Client...
[17:06:06.301] DEBUG: API Call Attempt 1/10...
[17:06:18.247] SUCCESS: Response received successfully.
[17:06:18.249] SUCCESS: API response received. Length: 687 chars.
[17:06:18.249] INFO: Parsing JSON response...
[17:06:18.249] DEBUG: Starting Bulletproof JSON parsing pipeline...
[17:06:18.249] DEBUG: Attempting standard json.loads()...
[17:06:18.249] SUCCESS: Standard JSON parse successful.
[17:06:18.394] SUCCESS: Result generation completed (AI or Fallback).
[17:06:18.395] INFO: Using reported confidence: 0.9
[17:06:18.395] SUCCESS: Data extraction completed.
[17:06:18.599] SYSTEM: File processed in 47.34s.
[17:06:18.735] SYSTEM: --- Starting File 33/80: Nikfar et al. - 2010 - A meta-analysis on the efficacy and tolerability of
Processed 64% of papers... Processing Nicholas et al. - 194 Natalizumab treatment for MS UK and global results from TOP.pdf
```

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Comparison field not for -

25), 28), 30), 31),

33), 34), 35), 36)

39), 42), 43),

46), 47), 49)

intervention "not found" - 31), 48

Result "not-found" - 30



# 100 Articles

Stopped after 89

27 min 59 second

Low Confidence  $\Rightarrow$  11; 40; 71;  
in table.

3 papers

(so it starts 0, 1, 2  
12, 41, 72 in  
Actual)

Checking After 49th article.

Paper title  $\rightarrow$  71  
"Not found"

Conclusion "Not found" - 71

Type of Study "Not found" -

60, 66, 67, 71, 73

Population "Not found" - 71

Intervention "not found" - 71

Comparison "not found" - 50, 58, 60,  
66, 67, 69, 70, 71  
78, 80, 85.

Outcome "Not found" - 71, 87

Results "Not found" - 71.

$$\text{Error rate} = \frac{4}{100} \times 100$$
$$= 4\%$$

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Stop Fork

System Terminal (Background Processing)

```
[17:05:31.263] SYSTEM: --- Starting File 32/50: Nicholas et al. - 194 Natalizumab treatment for MS UK and global results from TOP.pdf ---
[17:05:31.263] DEBUG: New file detected. Proceeding with extraction.
[17:05:31.263] DEBUG: Initializing PDF extraction engine (PyMuPDF)...
[17:05:31.263] INFO: Document opened successfully. Total pages: 2
[17:05:31.273] DEBUG: Metadata read -> Title: '', Author: ''
[17:05:31.273] DEBUG: Year found on Page 1: 2019
[17:05:31.273] INFO: Text extracted. Length: 6206 chars.
[17:05:31.274] INFO: Text preprocessed. Input Tokens: -128000.
[17:05:31.274] DEBUG: Calculating heuristic confidence for mode: extractor
[17:05:31.274] DEBUG: No extracted data available for validation. Defaulting to 0.4.
[17:05:31.274] INFO: Initial heuristic confidence score estimated: 0.4
[17:05:31.274] INFO: Preparing extraction fields: Paper Title, Result, Population, Intervention, Comparison, Outcome, Type of Study
[17:05:32.274] DEBUG: Initializing ZAI Client...
[17:05:32.276] DEBUG: API Call Attempt 1/10...
[17:06:04.297] SUCCESS: Response received successfully.
[17:06:04.299] ERROR: API returned empty response. Retry 2/3...
[17:06:06.299] DEBUG: Initializing ZAI Client...
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Stop Fork

System Terminal (Background Processing)

```
[17:05:31.274] INFO: Initial heuristic confidence score estimated: 0.4
[17:05:31.274] INFO: Preparing extraction fields: Paper Title, Result, Population, Intervention, Comparison, Outcome, Type of Study
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[17:06:18.249] DEBUG: Attempting standard json.loads()...
[17:06:18.249] SUCCESS: Standard JSON parse successful.
[17:06:18.394] SUCCESS: Result generation completed (AI or Fallback).
[17:06:18.395] INFO: Using reported confidence: 0.9
[17:06:18.395] SUCCESS: Data extraction completed.
[17:06:18.599] SYSTEM: File processed in 47.34s.
[17:06:18.735] SYSTEM: --- Starting File 33/80: Nikfar et al. - 2010 - A meta-analysis on the efficacy and tolerability of
Processed 64% of papers... Processing Nicholas et al. - 194 Natalizumab treatment for MS UK and global results from TOF.pdf
```

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System Terminal (Background Processing)

```
[18:25:09.616] INFO: Using reported confidence: 0.9
[18:25:09.616] SUCCESS: Data extraction completed.
[18:25:09.790] SYSTEM: File processed in 11.03s.
[18:25:09.936] SYSTEM: --- Starting File 41/100: Evaluating_natalizumab_first-line_and_later-line_o.pdf ---
[18:25:09.937] DEBUG: New file detected. Proceeding with extraction.
[18:25:09.937] DEBUG: Initializing PDF extraction engine (PyMuPDF)...
[18:25:09.937] INFO: Document opened successfully. Total pages: 13
[18:25:09.968] INFO: References section detected and removed to save tokens.
[18:25:09.968] DEBUG: Metadata read -> Title: '', Author: ''
[18:25:09.968] DEBUG: Year found on Page 1: 2025
[18:25:09.968] INFO: Text extracted. Length: 37105 chars.
[18:25:09.970] INFO: Text preprocessed. Input Tokens: -128000.
[18:25:09.970] DEBUG: Calculating heuristic confidence for model extractor
[18:25:09.970] DEBUG: No extracted data available for validation. Defaulting to 0.4.
[18:25:09.970] INFO: Initial heuristic confidence score estimated: 0.4
[18:25:09.970] INFO: Preparing extraction fields: Paper Title, Conclusion, Type of Study, Population, Intervention, comparison, outcome, Results
[18:25:10.970] DEBUG: Initializing ZAI Client...
[18:25:10.972] DEBUG: API Call Attempt 1/10...
```

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Processed 42% of papers... Processing Evaluation\_of\_Natalizumab\_Pharmacokinetics\_and\_Pha.pdf

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Stop Fork

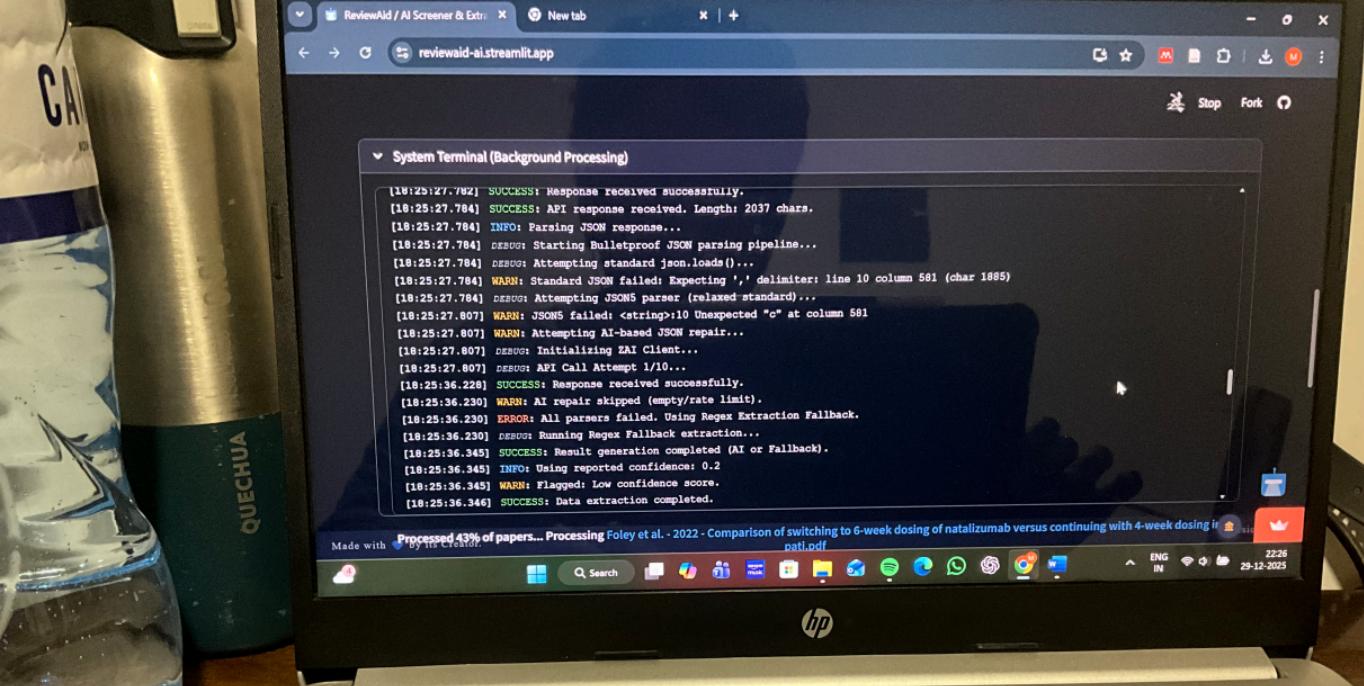
System Terminal (Background Processing)

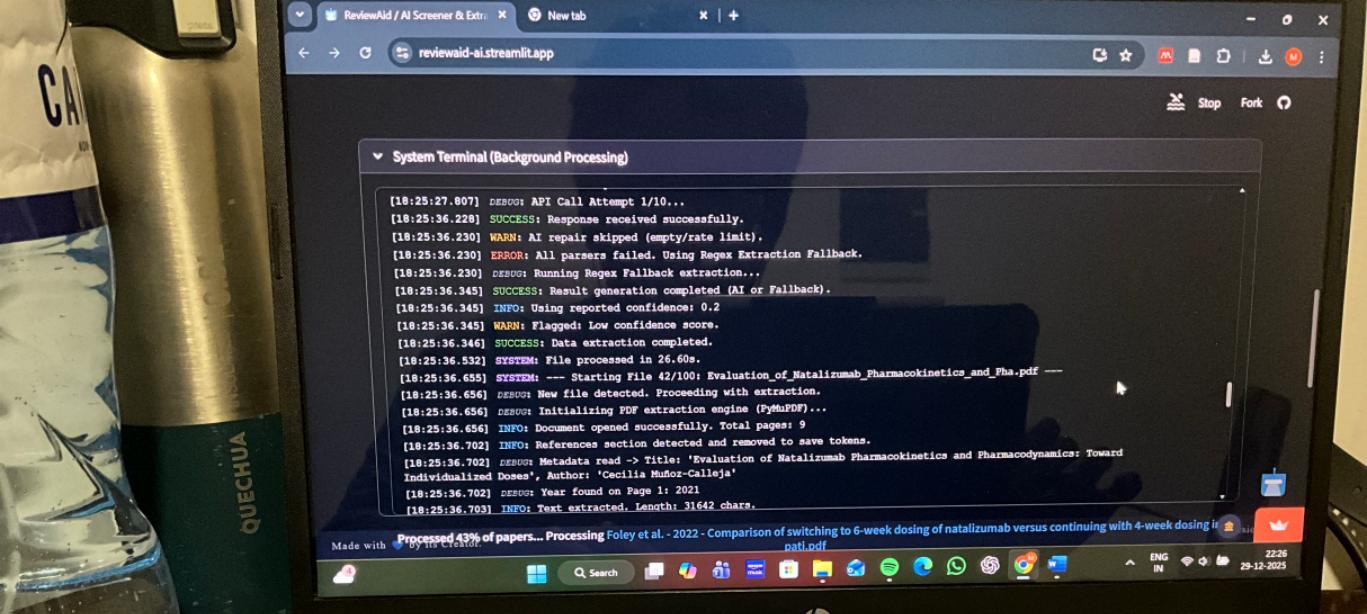
```
[18:25:09.970] DEBUG: Calculating heuristic confidence for mode: extractor
[18:25:09.970] DEBUG: No extracted data available for validation. Defaulting to 0.4.
[18:25:09.970] INFO: Initial heuristic confidence score estimated: 0.4
[18:25:09.970] INFO: Preparing extraction fields: Paper Title, Conclusion, Type of Study, Population, Intervention, comparison, outcome, Results
[18:25:10.970] DEBUG: Initializing ZAI Client...
[18:25:10.972] DEBUG: API Call Attempt 1/10...
[18:25:27.782] SUCCESS: Response received successfully.
[18:25:27.784] SUCCESS: API response received. Length: 2037 chars.
[18:25:27.784] INFO: Parsing JSON response...
[18:25:27.784] DEBUG: Starting Bulletproof JSON parsing pipeline...
[18:25:27.784] DEBUG: Attempting standard json.loads()...
[18:25:27.784] WARN: Standard JSON failed: Expecting ',' delimiter: line 10 column 581 (char 1895)
[18:25:27.784] DEBUG: Attempting JSON5 parser (relaxed standard)...
[18:25:27.807] WARN: JSON5 failed: <string>:10 Unexpected "c" at column 581
[18:25:27.807] WARN: Attempting AI-based JSON repair...
[18:25:27.807] DEBUG: Initializing ZAI Client...
[18:25:27.807] DEBUG: API Call Attempt 1/10...
[18:25:36.228] SUCCESS: Response received successfully.
```

Made with  by  Foley et al. - 2022 - Comparison of switching to 6-week dosing of natalizumab versus continuing with 4-week dosing in  pati.pdf

ENG  
IN  
22:05  
29-12-2025









## ▼ System Terminal (Background Processing)

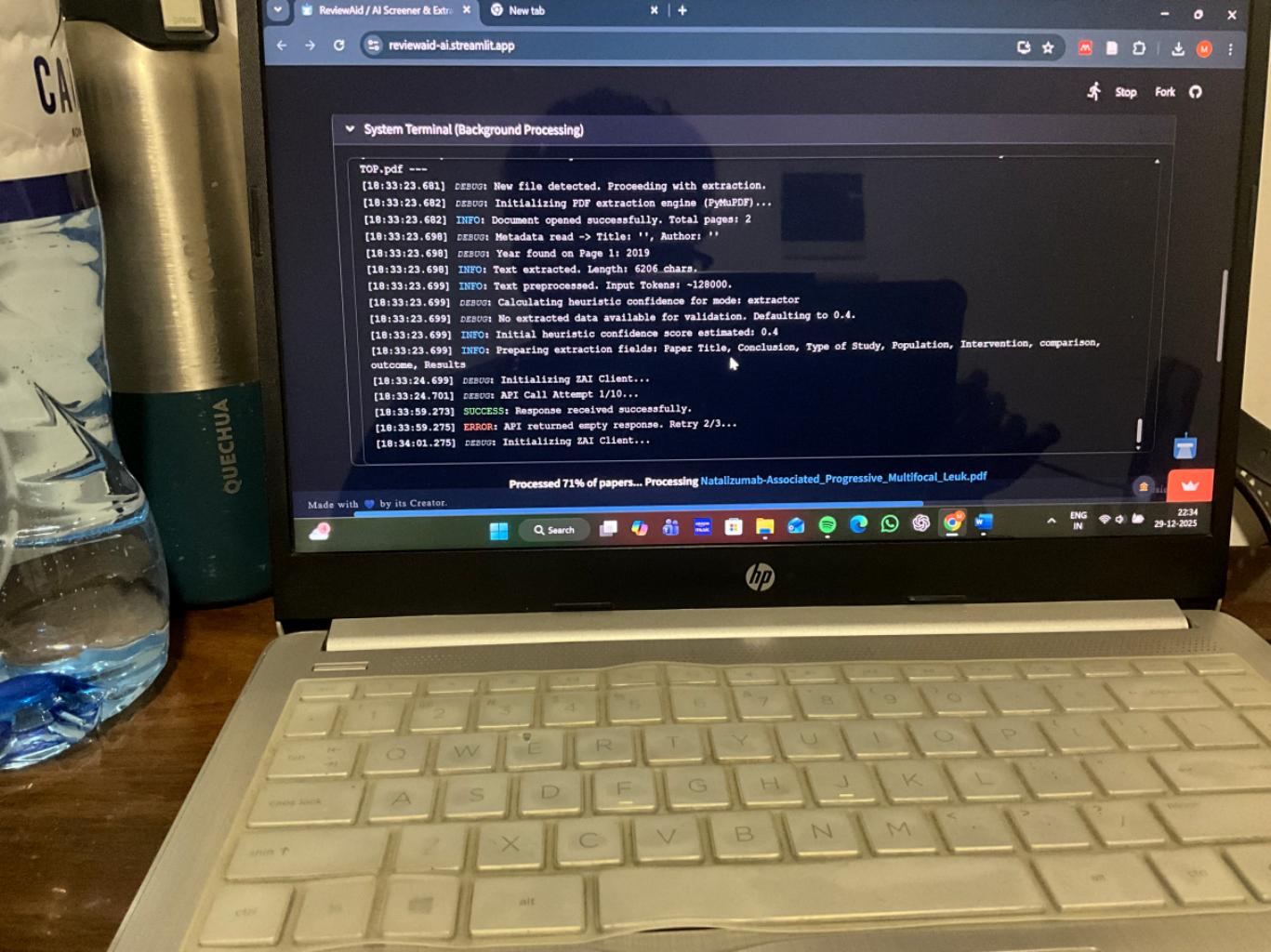
```
TOP.pdf ---  
[18:33:23.681] DEBUG: New file detected. Proceeding with extraction.  
[18:33:23.682] DEBUG: Initializing PDF extraction engine (PyMuPDF)...  
[18:33:23.692] INFO: Document opened successfully. Total pages: 2  
[18:33:23.698] DEBUG: Metadata read -> Title: '', Author: ''  
[18:33:23.698] DEBUG: Year found on Page 1: 2019  
[18:33:23.698] INFO: Text extracted. Length: 6206 chars.  
[18:33:23.699] INFO: Text preprocessed. Input Tokens: -128000.  
[18:33:23.699] DEBUG: Calculating heuristic confidence for mode: extractor  
[18:33:23.699] DEBUG: No extracted data available for validation. Defaulting to 0.4.  
[18:33:23.699] INFO: Initial heuristic confidence score estimated: 0.4  
[18:33:23.699] INFO: Preparing extraction fields: Paper Title, Conclusion, Type of Study, Population, Intervention, comparison, outcome, Results  
[18:33:24.699] DEBUG: Initializing ZAI Client...  
[18:33:24.701] DEBUG: API Call Attempt 1/10...  
[18:33:59.273] SUCCESS: Response received successfully.  
[18:33:59.275] ERROR: API returned empty response. Retry 2/3...  
[18:34:01.275] DEBUG: Initializing ZAI Client...
```

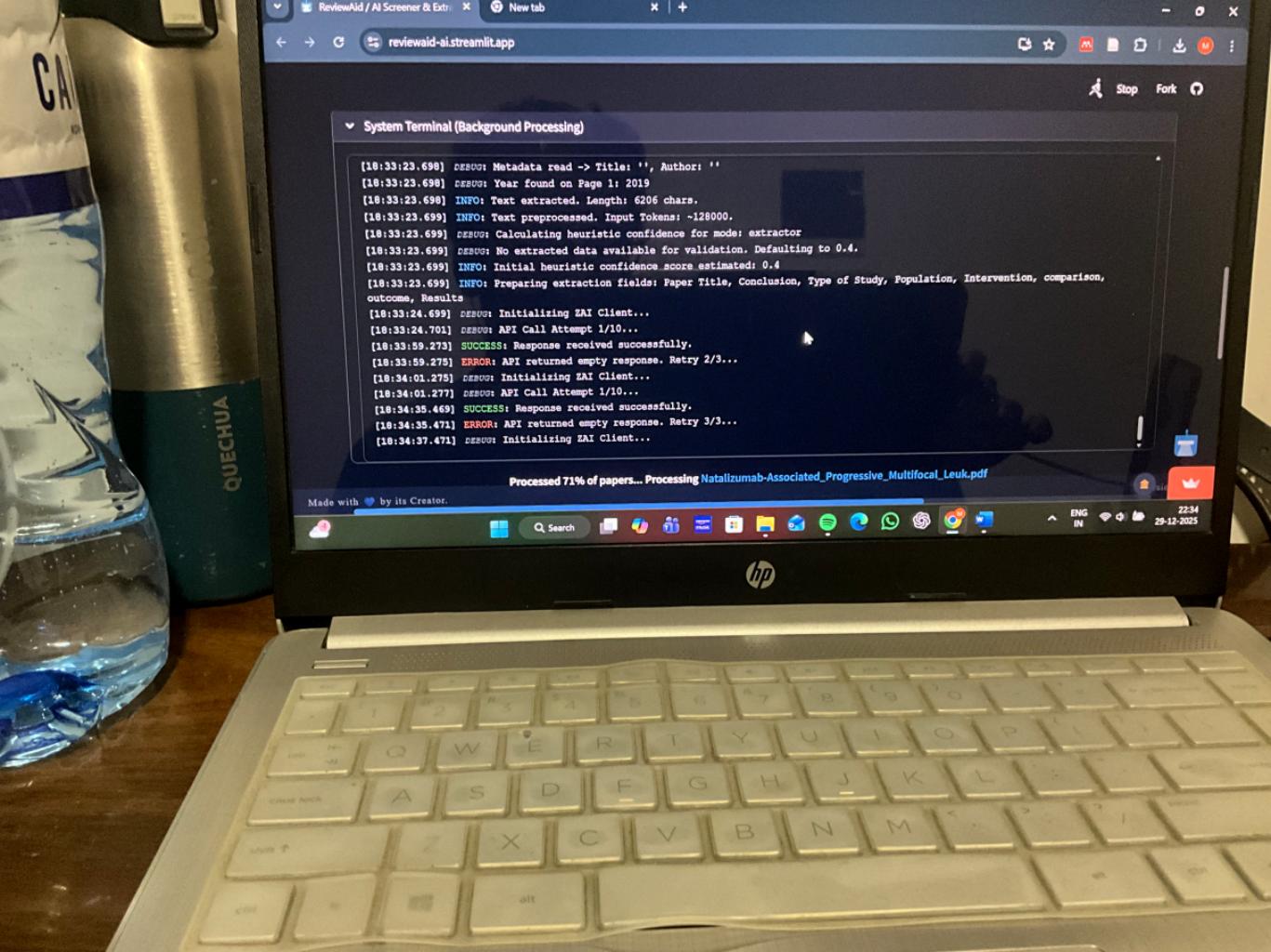
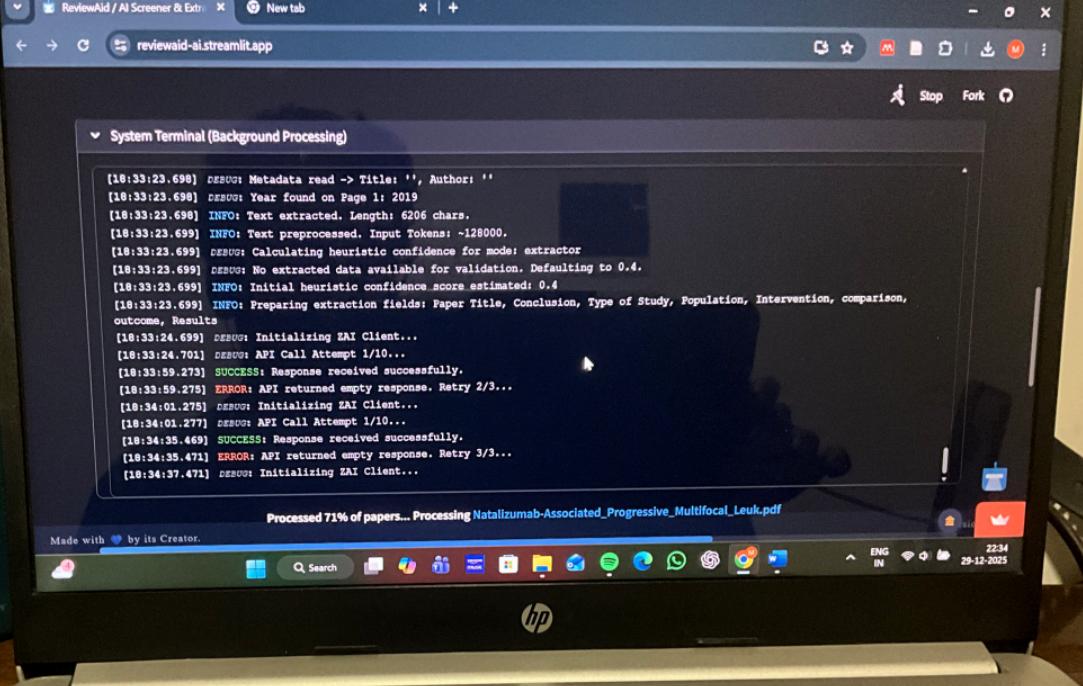
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## System Terminal (Background Processing)

```
[18:33:23.699] INFO: Initial heuristic confidence score estimated: 0.4
[18:33:23.699] INFO: Preparing extraction fields: Paper Title, Conclusion, Type of Study, Population, Intervention, comparison, outcome, results
[18:33:24.699] DEBUG: Initializing ZAI Client...
[18:33:24.701] DEBUG: API Call Attempt 1/10...
[18:33:59.273] SUCCESS: Response received successfully.
[18:33:59.275] ERROR: API returned empty response. Retry 2/3...
[18:34:01.275] DEBUG: Initializing ZAI Client...
[18:34:01.277] DEBUG: API Call Attempt 1/10...
[18:34:35.469] SUCCESS: Response received successfully.
[18:34:35.471] ERROR: API returned empty response. Retry 3/3...
[18:34:37.471] DEBUG: Initializing ZAI Client...
[18:34:37.473] DEBUG: API Call Attempt 1/10...
[18:35:13.259] SUCCESS: Response received successfully.
[18:35:13.260] WARN: Previous attempt failed after retries. Initiating NEW API call for this paper...
[18:35:13.260] DEBUG: Initializing ZAI Client...
[18:35:13.260] DEBUG: API Call Attempt 1/10...
[18:35:48.298] SUCCESS: Response received successfully.
```

Processed 71% of papers... Processing Natalizumab-Associated\_Progressive\_Multifocal\_Leuk.pdf

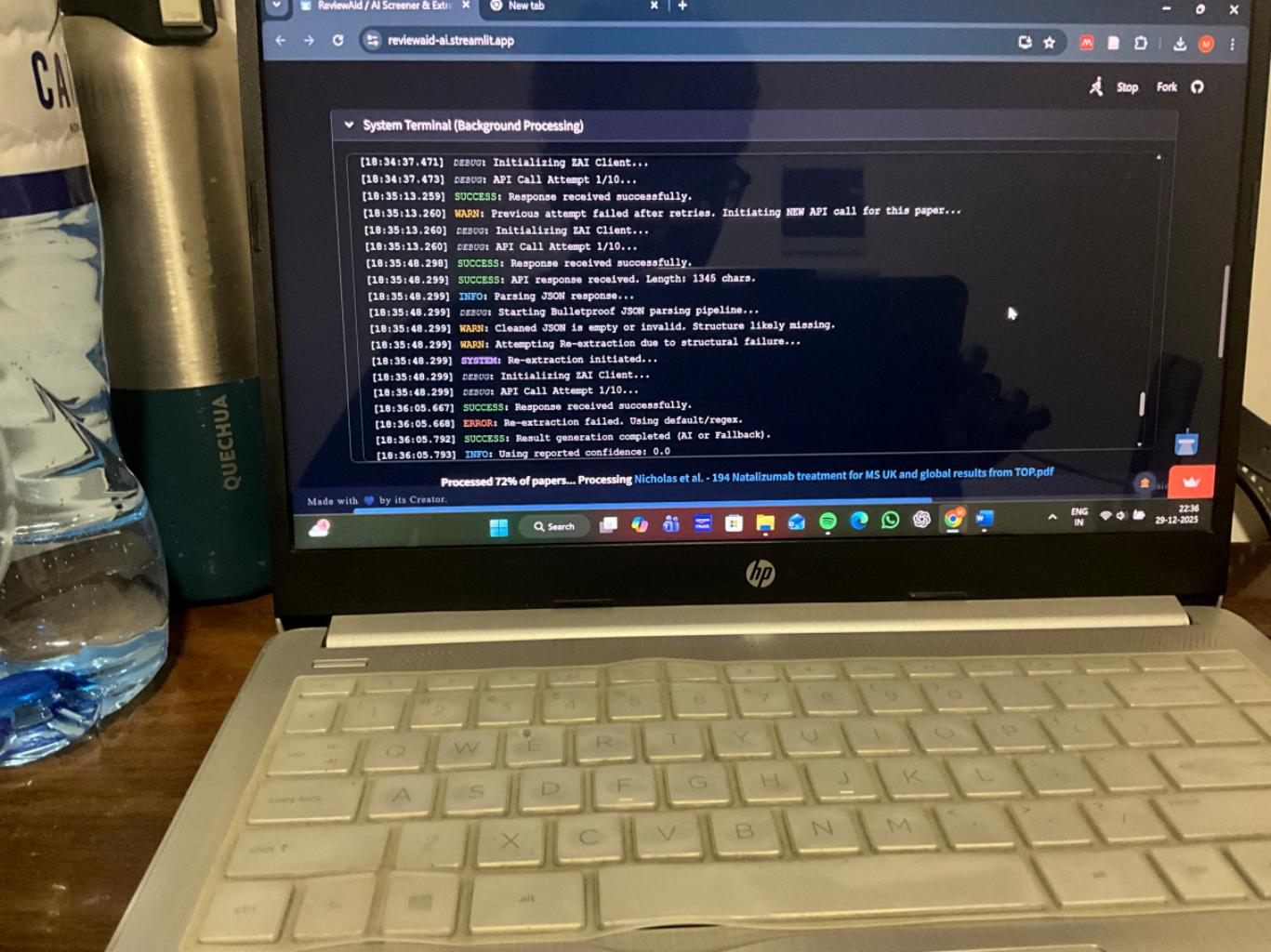
Made with ❤ by its Creator.

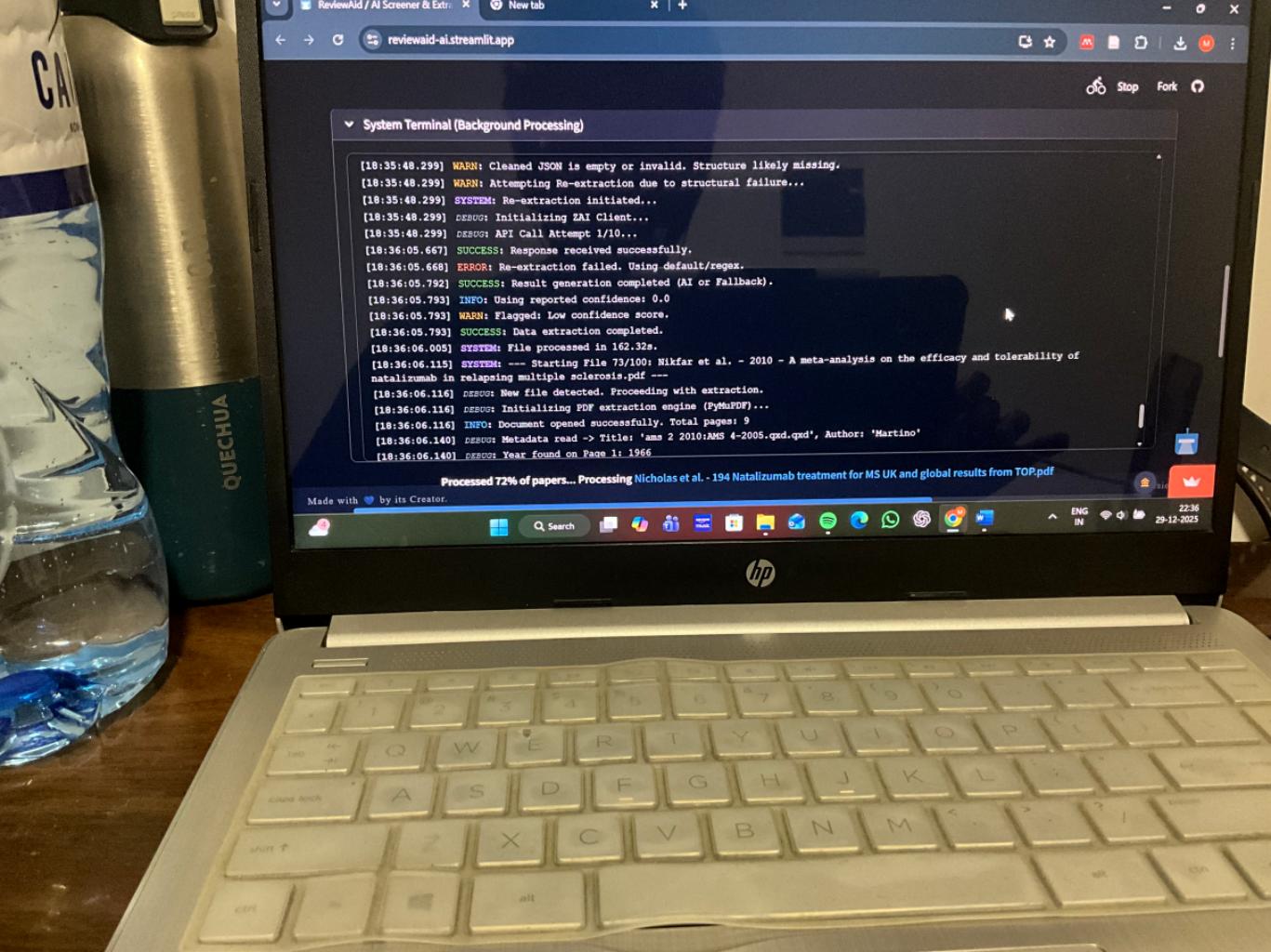


22:35

29-12-2025





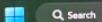


### System Terminal (Background Processing)

```
[18:35:48.299] WARN: Cleaned JSON is empty or invalid. Structure likely missing.  
[18:35:48.299] WARN: Attempting Re-extraction due to structural failure...  
[18:35:48.299] SYSTEM: Re-extraction initiated...  
[18:35:48.299] DEBUG: Initializing ZAI Client...  
[18:35:48.299] DEBUG: API Call Attempt 1/10...  
[18:36:05.667] SUCCESS: Response received successfully.  
[18:36:05.668] ERROR: Re-extraction failed. Using default/regex.  
[18:36:05.792] SUCCESS: Result generation completed (AI or Fallback).  
[18:36:05.793] INFO: Using reported confidence: 0.0  
[18:36:05.793] WARN: Flagged: Low confidence score.  
[18:36:05.793] SUCCESS: Data extraction completed.  
[18:36:06.005] SYSTEM: File processed in 162.32s.  
[18:36:06.115] SYSTEM: --- Starting File 73/100: Nikfar et al. - 2010 - A meta-analysis on the efficacy and tolerability of natalizumab in relapsing multiple sclerosis.pdf ---  
[18:36:06.116] DEBUG: New file detected. Proceeding with extraction.  
[18:36:06.116] DEBUG: Initializing PDF extraction engine (PyMuPDF) ...  
[18:36:06.116] INFO: Document opened successfully. Total pages: 9  
[18:36:06.140] DEBUG: Metadata read > Title: 'sma 2 2010:AMS 4-2005.qxd.qxd', Author: 'Martino'  
[18:36:06.140] DEBUG: Year found on Page 1: 1966
```

Processed 72% of papers... Processing Nicholas et al. - 194 Natalizumab treatment for MS UK and global results from TOP.pdf

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Search

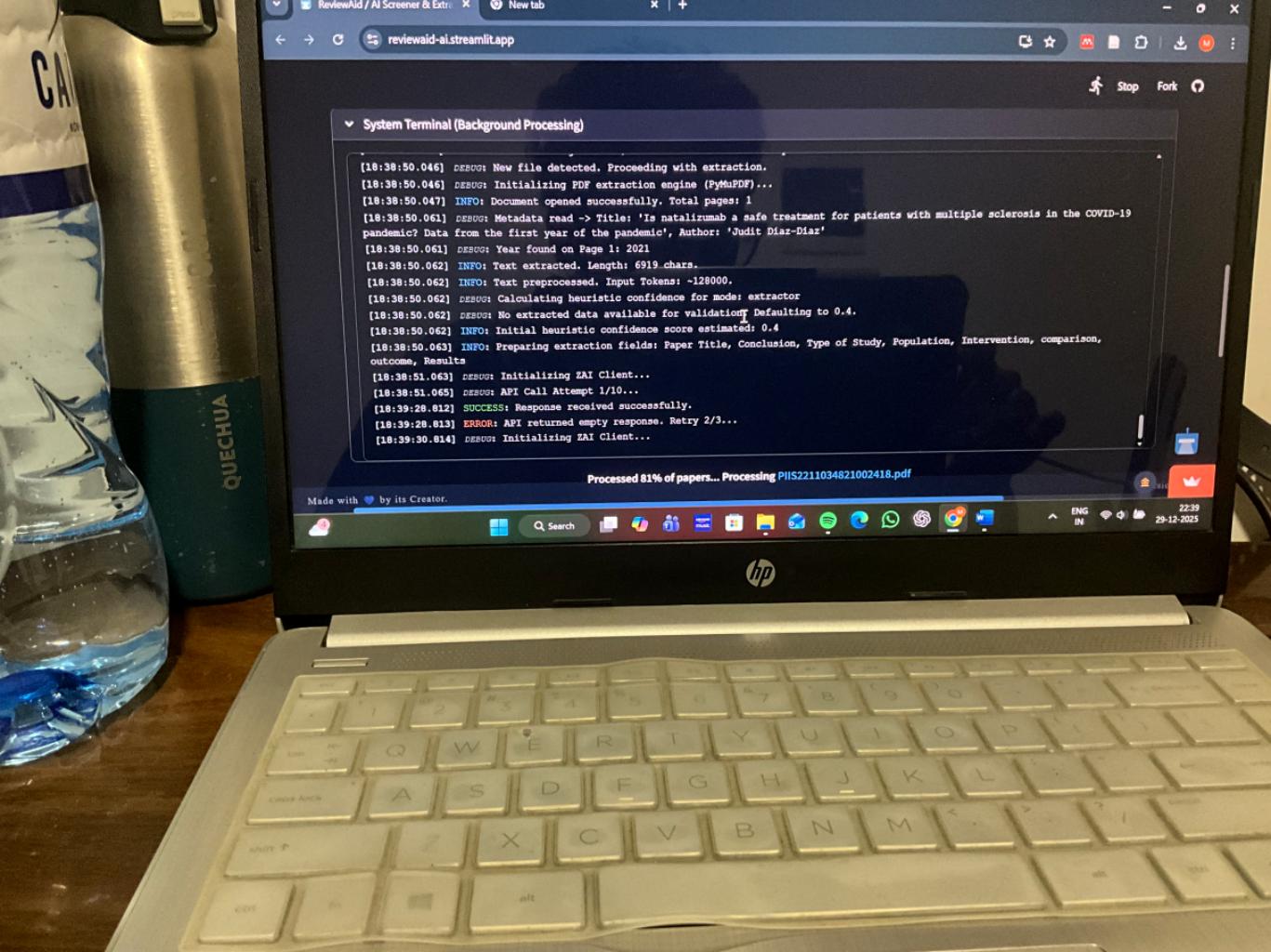


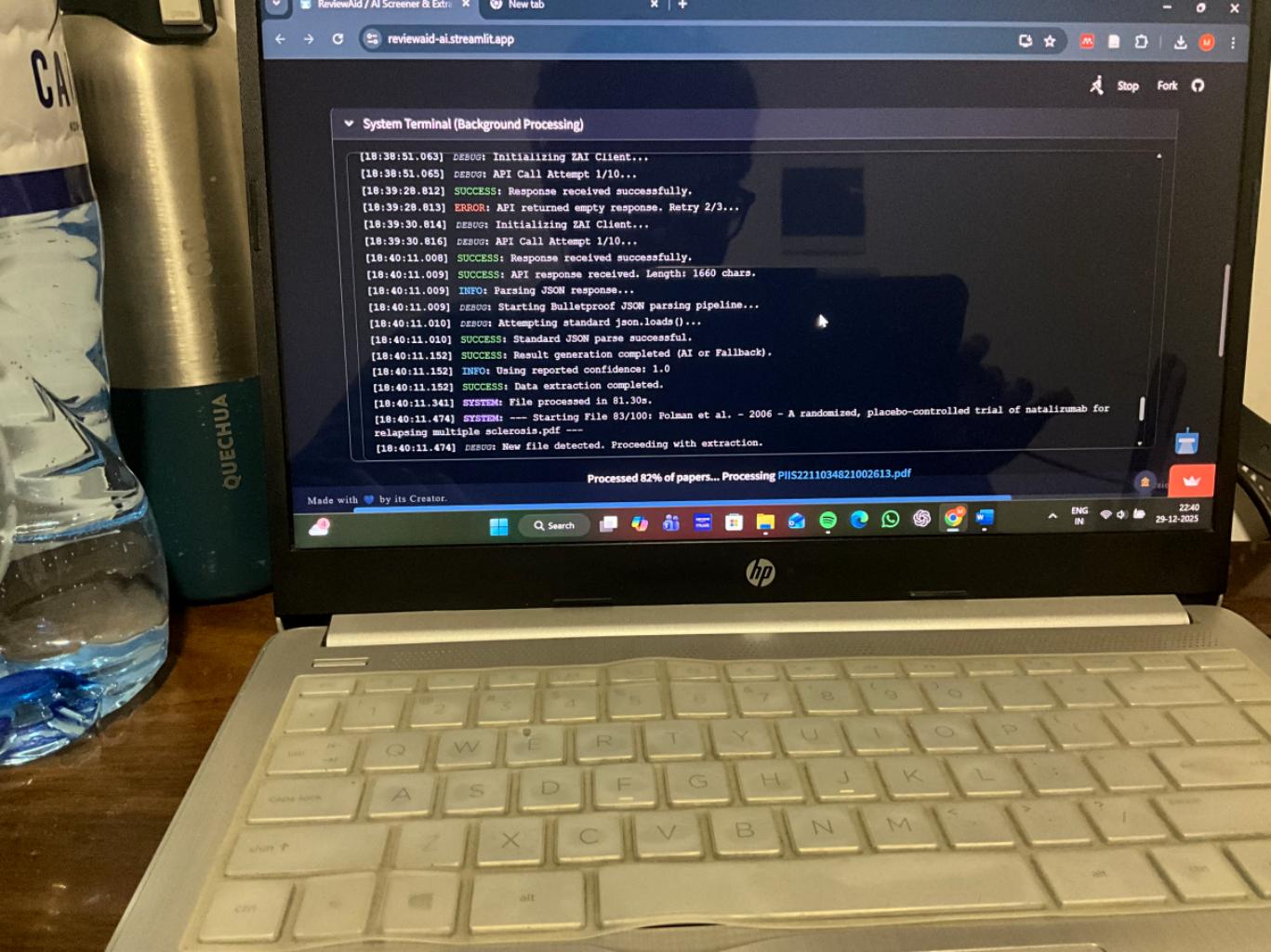
22:36

29-12-2025









Done.