

# **Website Selection & Technology Analysis Report**

*Technical Audit of Noon, Galala University, and CNN*

## **Focus Areas:**

Server Location, Technology Stack, and Initial  
Performance Metrics

December 2, 2025

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# 1 Introduction

This report documents the selection of three distinct websites for performance analysis: **Noon** (E-commerce), **Galala University** (Education), and **CNN** (News).

For each website, we have identified the hosting server location, analyzed the technology stack (CMS and Frontend Frameworks), and conducted initial performance measurements including page load time, total page size, and the number of HTTP requests.

## 2 Website 1: Noon (E-Commerce)

URL: <https://noon-eg.com/>

### 2.1 Technical Profile

- **Server Location:** San Jose, California, United States (Cloudflare).
- **Content Management System (CMS):** WordPress.
- **Frontend Frameworks:** None identified.
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

### 2.2 Initial Performance Measurements

The following data represents the average of three distinct measurements:

| Metric                          | Raw Data            | Average             |
|---------------------------------|---------------------|---------------------|
| Page Load Time (s)              | 13.19, 63.00, 34.96 | <b>37.05 s</b>      |
| Total Page Size (MB)            | 3.1, 4.8, 3.4       | <b>3.77 MB</b>      |
| Number of HTTP Requests         | 204, 265, 223       | <b>231 requests</b> |
| Resource Count (Images/Scripts) | 94, 110, 87         | <b>97 resources</b> |

### 2.3 Documentation Evidence

The screenshot displays the Noon Egypt website (noon-eg.com) in a browser. The page features a yellow header with the 'NOON - EG' logo and a search bar. The main content area shows a promotional image of a washing machine with the Arabic text 'الغسالات' (Washing Machines) and a 'شراء الآن' (Buy Now) button. The browser's DevTools network tab is open, showing a list of 231 requests. The table below summarizes the data from the network tab.

| Name                      | Status | Type | Initiator   | Size    | Time   | Fulfill... |
|---------------------------|--------|------|-------------|---------|--------|------------|
| %D8%A7%D9%84%D8%B...      | 200    | webp | Other       | 1.3 kB  | 94 ms  |            |
| collect                   | 204    | xhr  | clarity.js2 | 275 B   | 176 ms |            |
| Consoles.webp             | 200    | webp | Other       | 2.0 kB  | 139 ms |            |
| Boys-Fashion-600x600.webp | 200    | webp | Other       | 33.1 kB | 162 ms |            |
| collect                   | 204    | xhr  | clarity.js2 | 275 B   | 958 ms |            |
| %D8%A7%D9%84%D8%A...      | 200    | webp | Other       | 10.4 kB | 410 ms |            |
| %D8%A7%D9%84%D8%B...      | 200    | webp | Other       | 8.3 kB  | 409 ms |            |
| collect                   | 204    | xhr  | clarity.js2 | 275 B   | 413 ms |            |
| Men-Clothes-600x600.webp  | 200    | webp | Other       | 19.4 kB | 272 ms |            |
| %D8%A3%D8%B2%D9%8...      | 200    | webp | Other       | 13.2 kB | 199 ms |            |
| %D8%A7%D8%B2%D9%8...      | 200    | webp | Other       | 24.8 kB | 180 ms |            |
| collect                   | 204    | xhr  | clarity.js2 | 275 B   | 1.13 s |            |
| Refrigeration.webp        | 200    | webp | Other       | 1.3 kB  | 422 ms |            |
| %D8%A7%D9%84%D8%B...      | 200    | webp | Other       | 8.1 kB  | 488 ms |            |
| %D8%A7%D9%84%D8%B...      | 200    | webp | Other       | 9.3 kB  | 95 ms  |            |
| Laundry.webp              | 200    | webp | Other       | 2.7 kB  | 102 ms |            |
| collect                   | 204    | xhr  | clarity.js2 | 275 B   | 164 ms |            |
| %D8%A7%D9%84%D9%B...      | 200    | webp | Other       | 21.6 kB | 270 ms |            |
| %D8%AA%D9%84%D9%B...      | 200    | webp | Other       | 49.1 kB | 642 ms |            |

Summary statistics from the network tab: 223 requests, 1.2 MB transferred, 3.4 MB resources, Finish: 34.96 s, DOMContentLoaded: 1.73 s.

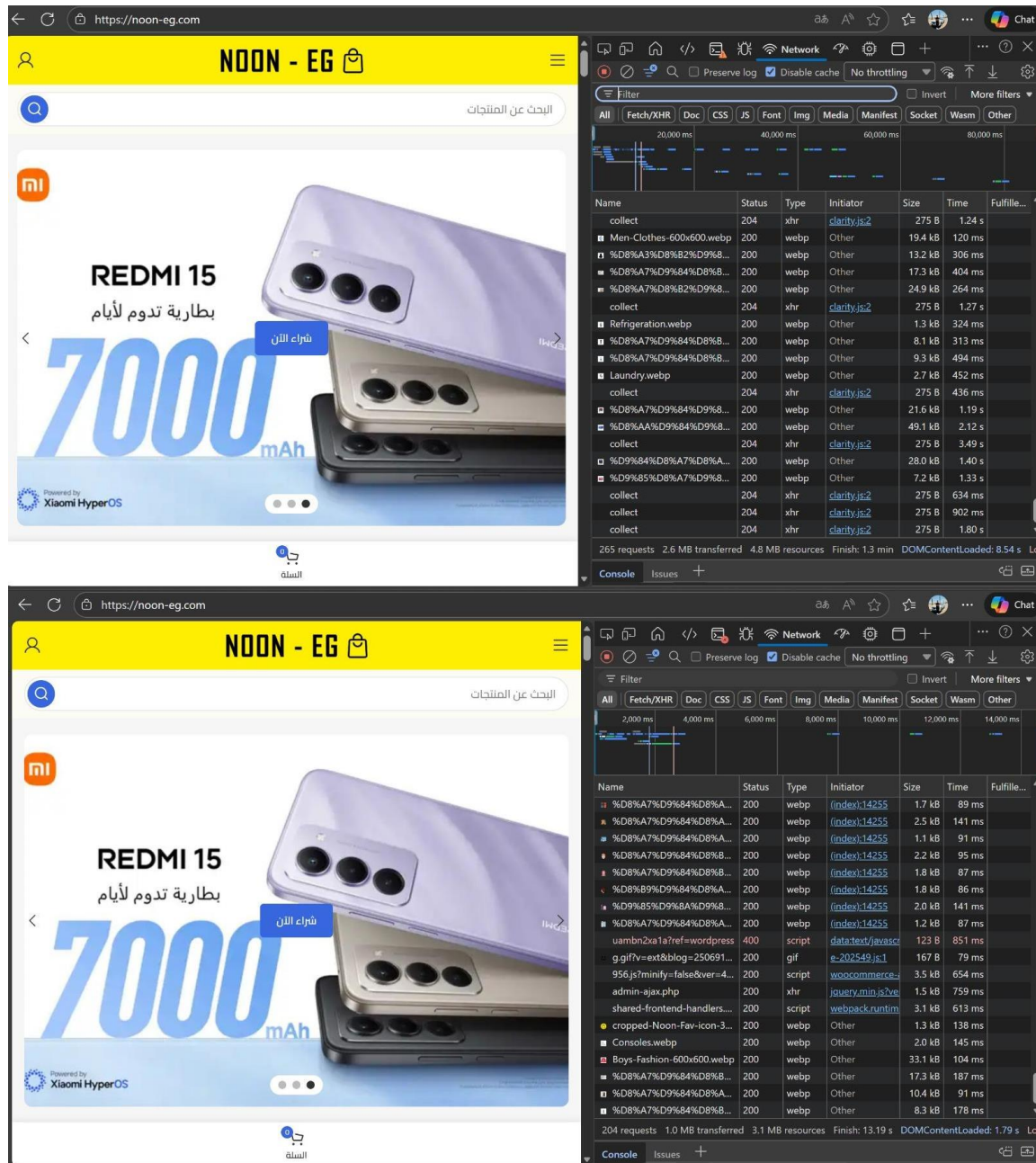


Figure 1: Noon Technology &amp; Network Analysis

### 3 Website 2: Galala University (GU)

URL: <https://www.gu.edu.eg/>

#### 3.1 Technical Profile

- **Server Location:** Al Jizah, Egypt (TE Data).
- **Content Management System (CMS):** WordPress.
- **Frontend Frameworks:** React & GSAP (GreenSock Animation Platform).
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

#### 3.2 Initial Performance Measurements

The site exhibits significantly high load times and page size compared to others:

| Metric                          | Raw Data             | Average              |
|---------------------------------|----------------------|----------------------|
| Page Load Time (s)              | 38.81, 58.73, 204.00 | <b>100.51 s</b>      |
| Total Page Size (MB)            | 49.9, 60.4, 46.7     | <b>52.33 MB</b>      |
| Number of HTTP Requests         | 286, 273, 343        | <b>301 requests</b>  |
| Resource Count (Images/Scripts) | 120, 105, 140        | <b>122 resources</b> |

#### 3.3 Documentation Evidence

The screenshot shows the Galala University website (https://www.gu.edu.eg) with a banner for 'CU Offers Dual Degrees with Arizona State University'. The browser's DevTools network tab is open, displaying a list of 343 requests. The table below summarizes the data from the network tab:

| Name                        | Status | Type  | Initiator        | Size    | Time   | Fulfill... |
|-----------------------------|--------|-------|------------------|---------|--------|------------|
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 81.7 kB | 975 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 57.3 kB | 1.09 s |            |
| atr?ns=yt&el=embedded...    | 204    | xhr   | base.js:1710     | 29 B    | 855 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 109 kB  | 353 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 69.3 kB | 257 ms |            |
| collect?v=2&tid=G-HLXCZ...  | 204    | fetch | js?id=G-HLXCZ... | 20 B    | 171 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 252 kB  | 2.27 s |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 701 B   | 890 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 77.3 kB | 539 ms |            |
| qoe?fmt=243&afmt=251&...    | 204    | fetch | base.js:1715     | 29 B    | 641 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 160 kB  | 958 ms |            |
| qoe?fmt=244&afmt=251&...    | 204    | fetch | base.js:1715     | 29 B    | 250 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 819 kB  | 4.63 s |            |
| log_event?alt=json          | 200    | xhr   | www-embed-pl...  | 59 B    | 411 ms |            |
| watchtime?ns=yt&el=emb...   | 204    | fetch | base.js:1715     | 25 B    | 254 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 246 kB  | 1.31 s |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 406 kB  | 2.76 s |            |
| collect?v=2&tid=G-HLXCZ...  | 204    | fetch | js?id=G-HLXCZ... | 20 B    | 452 ms |            |
| videoplayback?expire=176... | 200    | fetch | base.js:11166    | 356 kB  | 3.18 s |            |

Summary statistics at the bottom of the network tab: 343 requests, 32.8 MB transferred, 46.7 MB resources, Finish: 3.4 min, DOMContentLoaded: 22.04 s.



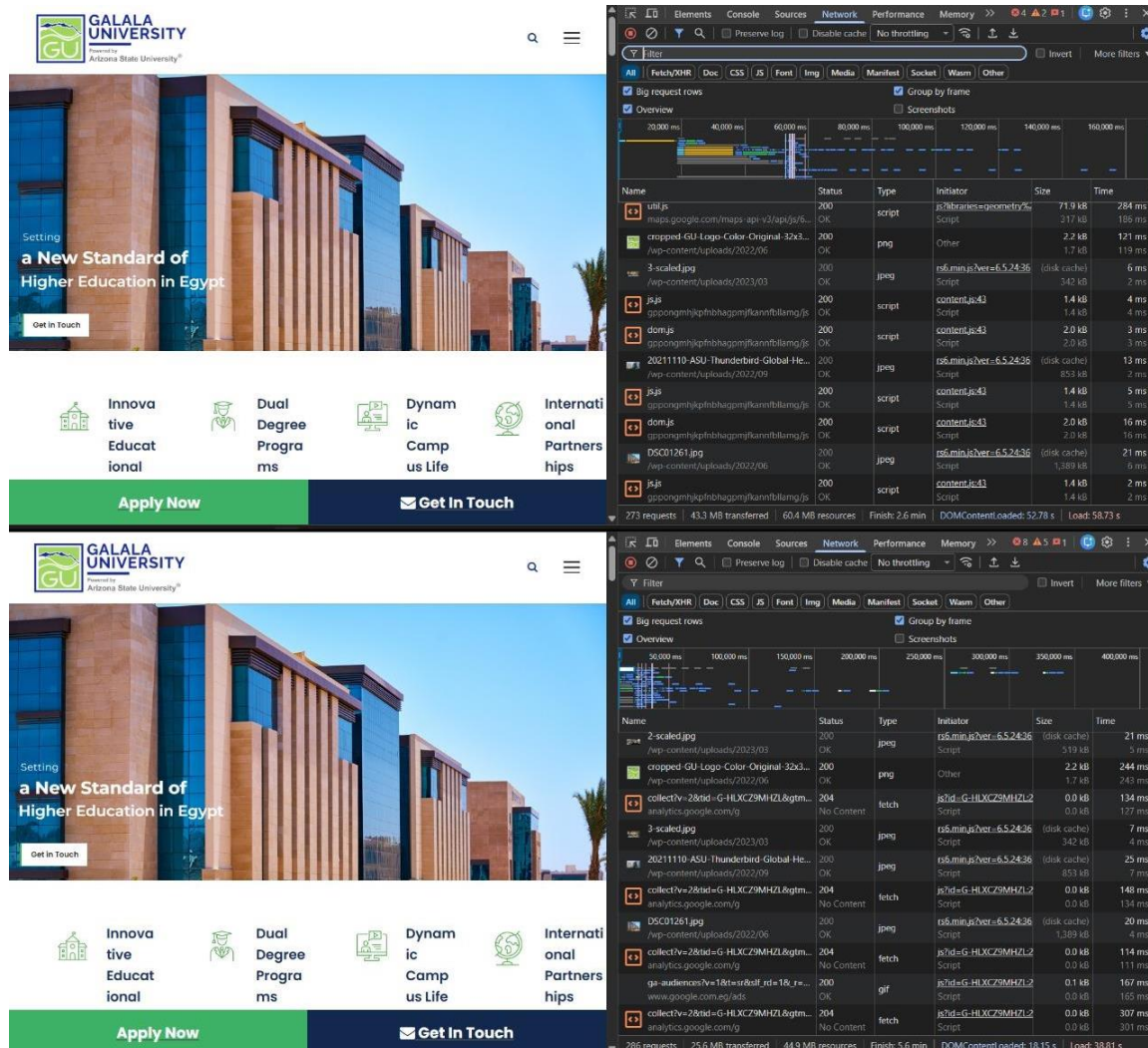


Figure 2: Galala University Technology &amp; Network Analysis

## 4 Website 3: CNN (News)

URL: <https://edition.cnn.com/>

### 4.1 Technical Profile

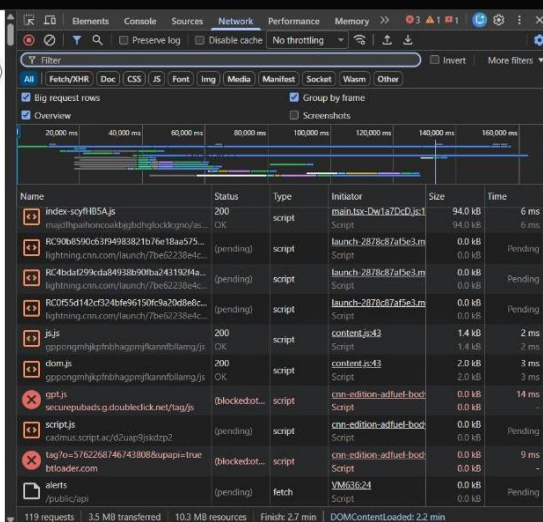
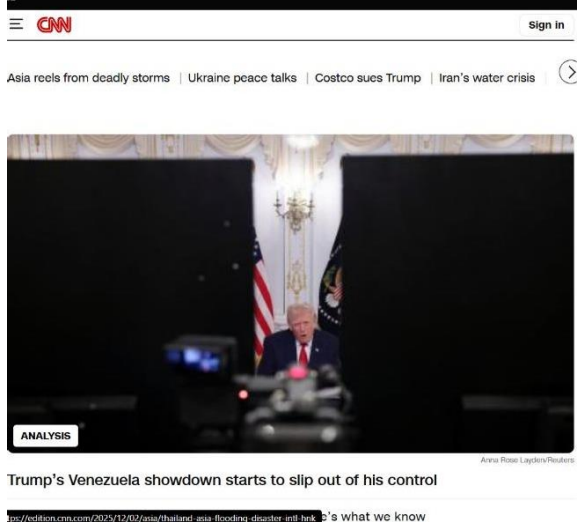
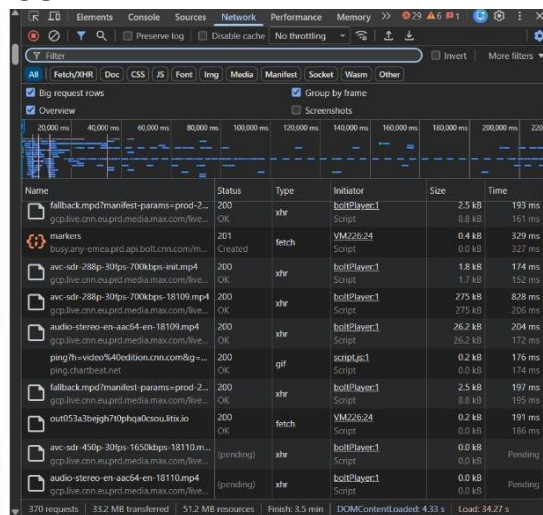
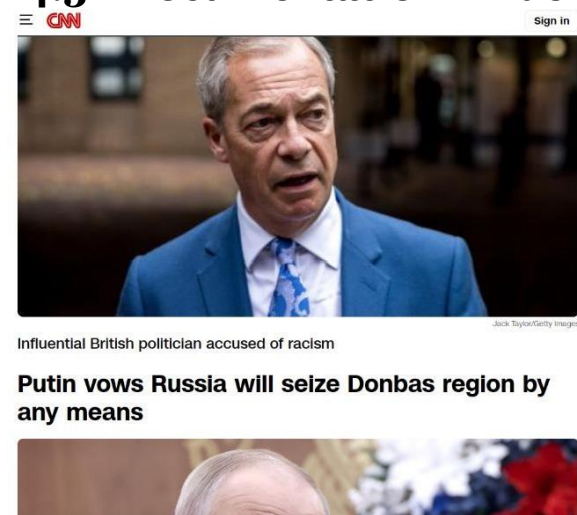
- **Server Location:** Gothenburg, Västra Götaland, Sweden (Fastly Inc.).
- **Content Management System (CMS):** None identified.
- **Frontend Frameworks:** React & Styled-components.
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

### 4.2 Initial Performance Measurements

CNN shows the highest average load time, likely due to heavy media content:

| Metric                          | Raw Data               | Average             |
|---------------------------------|------------------------|---------------------|
| Page Load Time (s)              | 132.00, 154.20, 210.00 | <b>165.40 s</b>     |
| Total Page Size (MB)            | 30.6, 10.3, 51.2       | <b>30.70 MB</b>     |
| Number of HTTP Requests         | 130, 119, 370          | <b>206 requests</b> |
| Resource Count (Images/Scripts) | 70, 65, 150            | <b>95 resources</b> |

### 4.3 Documentation Evidence





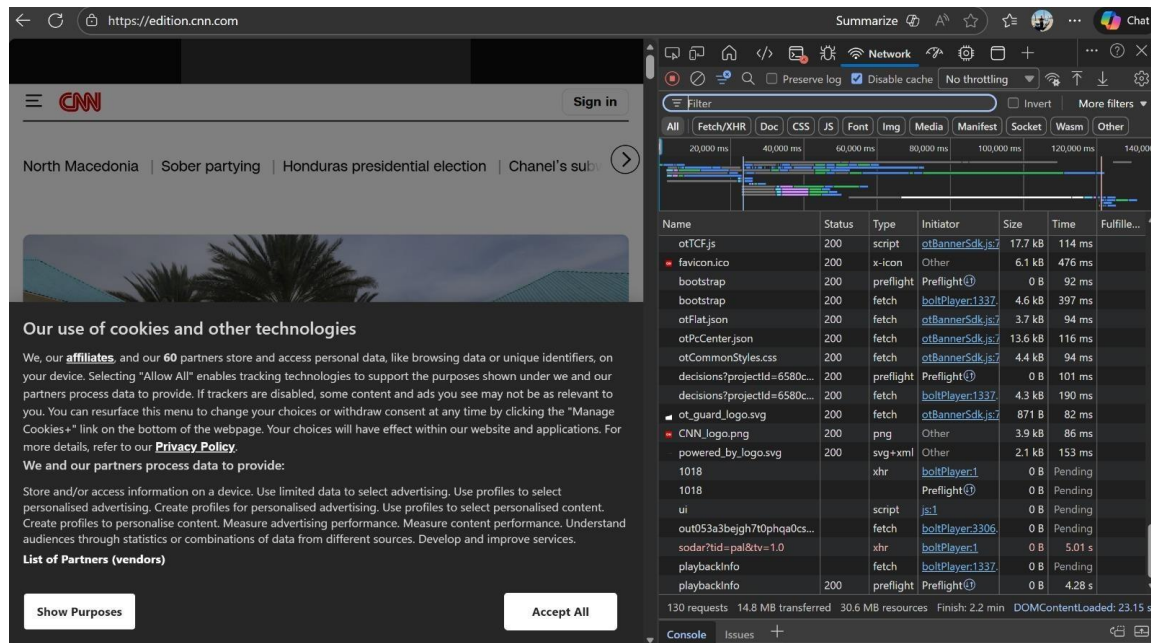


Figure 3: CNN Technology &amp; Network Analysis

## 5 Comparative Overview

The following table summarizes the key metrics across all three selected websites, highlighting the variations in performance relative to their complexity and hosting locations.

| Metric               | Noon             | Galala University | CNN             |
|----------------------|------------------|-------------------|-----------------|
| <b>Tech Stack</b>    | WordPress        | WordPress, React  | React           |
| <b>Server Loc.</b>   | USA (Cloudflare) | Egypt (TE Data)   | Sweden (Fastly) |
| <b>Avg Load Time</b> | <b>37.05 s</b>   | 100.51 s          | 165.40 s        |
| <b>Avg Page Size</b> | <b>3.77 MB</b>   | 52.33 MB          | 30.70 MB        |
| <b>Avg Requests</b>  | 231              | <b>301</b>        | 206             |

Table 1: Comparative Analysis Summary

### Conclusion:

- **Noon** is the lightest and fastest among the three, benefiting from Cloudflare's CDN and optimized page size (3.77 MB).
- **Galala University** suffers from an extremely large page size (52.33 MB) and high request count, indicating unoptimized assets.

- **CNN** has the longest load time (165.4s), typical for media-heavy news sites with numerous third-party scripts and ads, despite having a moderate page size compared to GU.

## 6 Comparative Overview

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| Metric               | Noon             | Galala University | CNN             |
|----------------------|------------------|-------------------|-----------------|
| <b>Tech Stack</b>    | WordPress        | WordPress, React  | React           |
| <b>Server Loc.</b>   | USA (Cloudflare) | Egypt (TE Data)   | Sweden (Fastly) |
| <b>Avg Load Time</b> | <b>37.05 s</b>   | 100.51 s          | 165.40 s        |
| <b>Avg Page Size</b> | <b>3.77 MB</b>   | 52.33 MB          | 30.70 MB        |
| <b>Avg Requests</b>  | 231              | <b>301</b>        | 206             |

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